The Manitoba Workplace Injury Statistics Report

2000–2008

WCB
Workers Compensation Board of Manitoba

Manitoba

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Acknowledgements
The Manitoba Workplace Injury Statistics Report for 2000-2008 is the sixth annual report of this type. Its continued development is the result of cooperative efforts between the Workplace Safety and Health Division of Manitoba Labour and Immigration and the Workers Compensation Board of Manitoba (WCB) and is an integral component of Manitoba's joint injury prevention strategy *(SAFE Work)*.

This report is developed from the WCB's injury data for the years 2000-2008. The report is based on injuries about which the WCB was notified and that were accepted by the WCB, or fatalities. Note that for the 2008 report year, acute hazard fatalities are now counted in the year of death, while occupational disease fatalities are still being counted in the year of acceptance.

Members of the committee involved in the on-going initiative to develop improved workplace injury and illness surveillance and reporting systems for the province include Dr. Ted Redekop and Jo-Anna Guerra from the Workplace Safety and Health Division of Manitoba Labour and Immigration, and Barry Warrack, Michael Rohatynsky, Janet Sprout, Murray Lempen, Jim Brown, Krista Breckman and Kwame Darko-Mensah from the Workers Compensation Board of Manitoba.

EXECUTIVE SUMMARY

Major highlights of Manitoba workplace injury data, 2000 to 2008:

Injuries and Injury Rate trends:

- The provincial time loss injury rate fell from a high of 5.6 time loss injuries per 100 workers in 2000 to 4.0 in 2008. This is a drop of 29 per cent over the period.
- Young men aged 20 to 24 continue to be at a higher risk of workplace injury than other workers. However, the time loss injury rate for young men has declined significantly from 10.5 in 2000 to 6.4 in 2008, a 39 per cent drop.
- Contrary to the prevailing trend, the time loss rate for workers over the age of 45 has not substantially fallen. In the past, older workers have traditionally had much lower rates of injury. In recent years, the gap between injury rates for older workers and all workers has narrowed.
- The manufacturing sector has experienced a significant reduction in injuries and the time loss rate since 2000, with the time loss rate falling 51 per cent from 2000 to 2008. Improvements in this sector have been the major influence in overall trends observed over the last eight years.

- Whereas in 2000 the manufacturing sector had more than twice as many time loss injuries as the service sector, the service sector is now the top industry sector for time loss injuries in 2008, surpassing the manufacturing sector for the first time.

- Injuries in the service sector increased 19 per cent since 2000. This growth was driven by healthcare where time loss injuries increased 23 per cent.

Fatalities

- There are two kinds of occupational fatalities: *acute hazard* (e.g., fatalities from exposure to hazards such as falls from height that cause serious traumatic injuries) where death occurs immediately or soon after a worker is injured or exposed, or *occupational disease* (e.g., exposures to asbestos and toxic fumes causing cancer in workers) where death occurs months or years after the exposure.

- The number of occupational fatalities varies significantly from year to year. In 2008, there were 24 acute hazard fatalities and 13 occupational disease fatalities.

Musculoskeletal Injuries

- Musculoskeletal injuries, or MSIs, are injuries to or disorders of the muscles, tendons, ligaments, joints, nerves, blood vessels or related soft tissue including sprains, strains and inflammation.

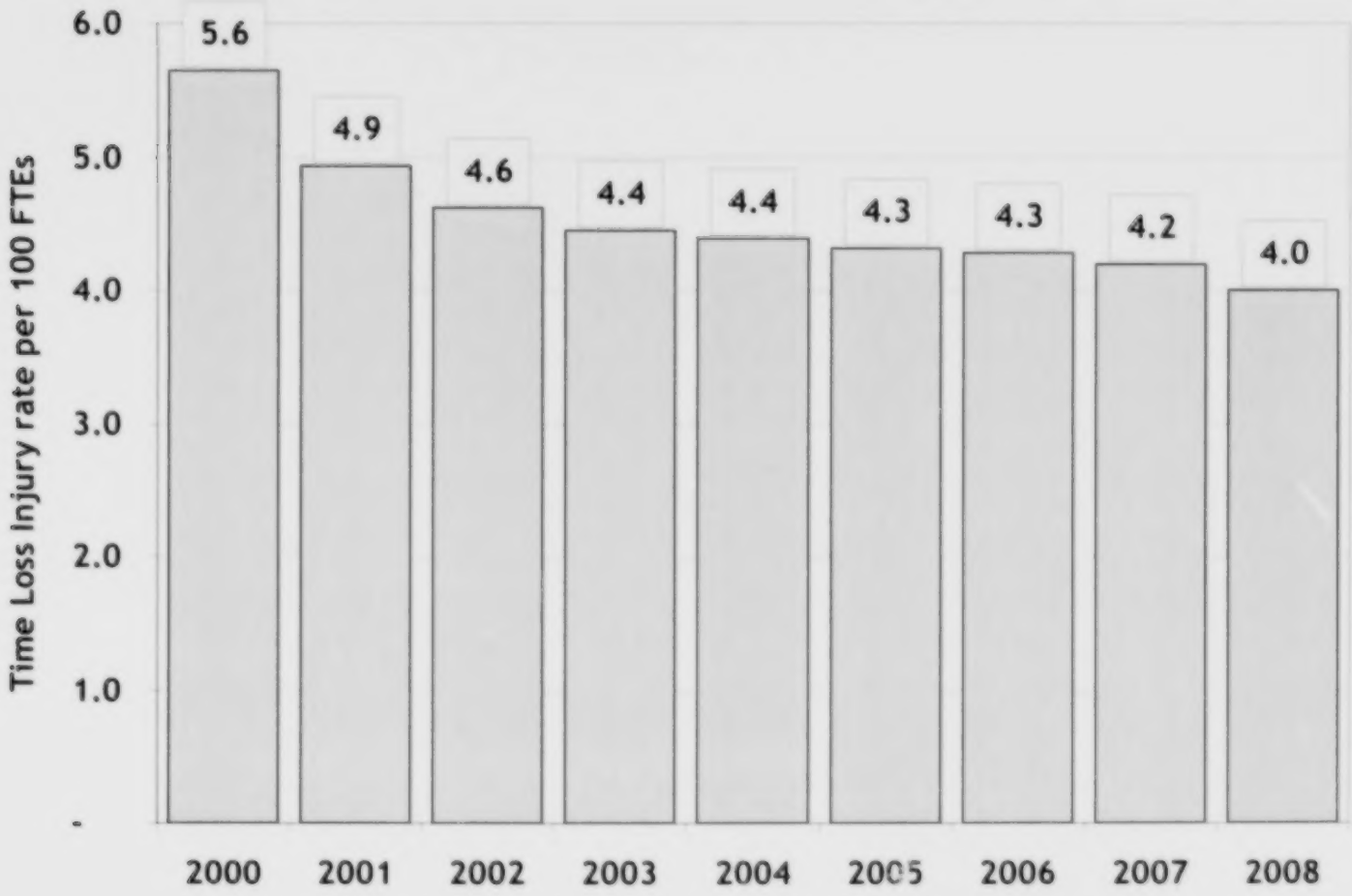
- MSIs often occur as a result of improper or inadequate workplace design or work processes. MSIs represent an increasing share of all workplace injuries, increasing from 53.3 per cent of time loss injuries in 2000 to 62.4 per cent in 2008. While the total number of MSIs has increased only slightly, the percentage share of MSIs to Non MSIs increased due to a 30 per cent decline in the number of non MSIs, especially in manufacturing.

- The healthcare sector has the largest proportion of MSIs. In 2008, 78 per cent of time loss injuries in that sector were MSIs.

1.0 INJURY RATES

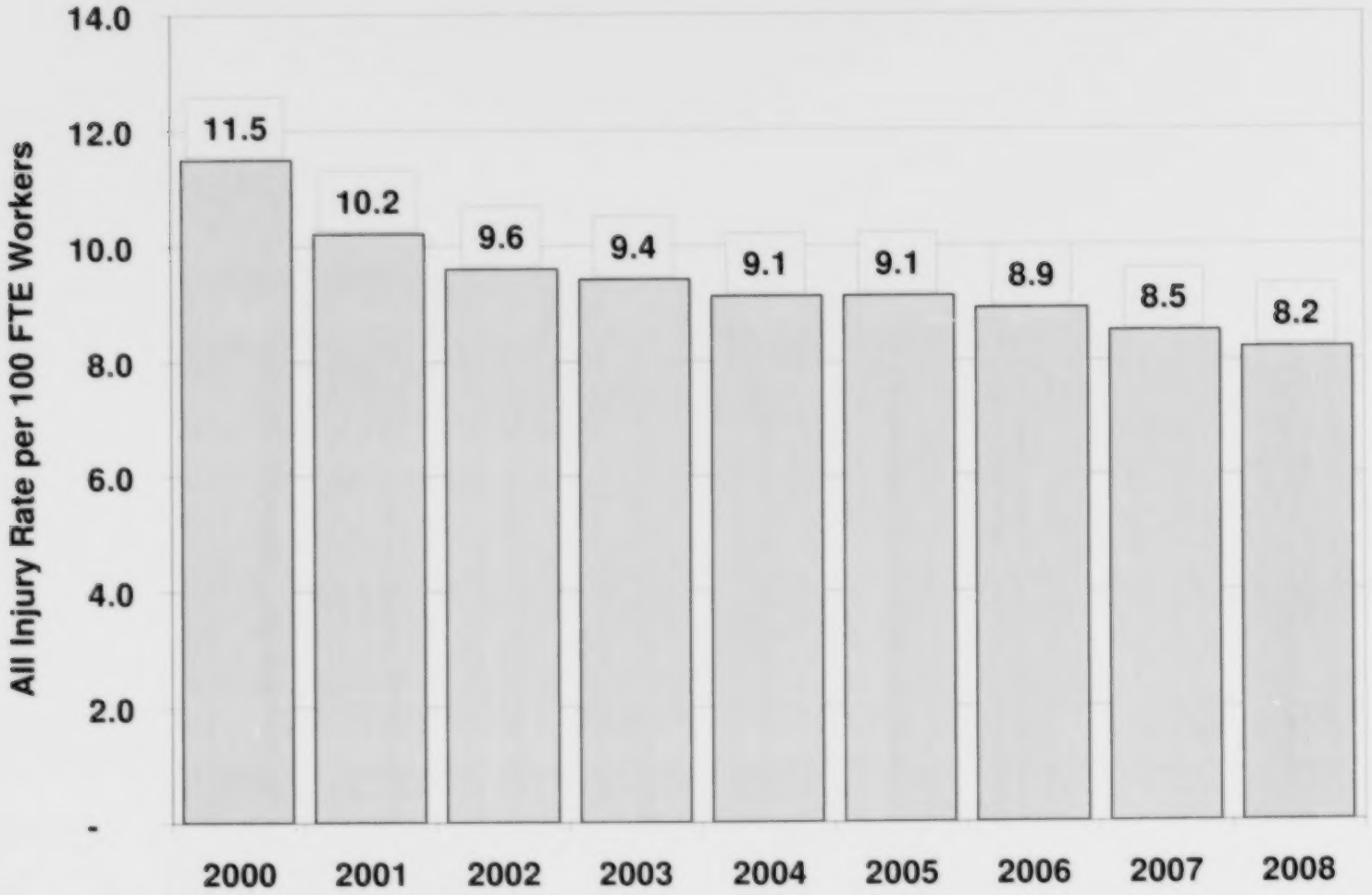
1.1 Time loss injury rate

Figure 1 - Manitoba Time Loss Injury Rate, 2000 to 2008



1.2 All Injury Rate

Figure 2 – Manitoba All Injury Rates for 2000 to 2008



1.3 Injury Rates by Age Group and Gender

Table 1 Time loss Injury Rates by Gender and Age

	Year of Injury or Illness								
Male Age Group	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
15-19	4.9	3.9	3.5	3.2	3.8	3.4	3.5	3.3	3.6
20-24	10.5	8.5	7.9	7.2	7.0	7.1	7.1	6.4	6.4
25-34	9.4	7.9	7.2	6.8	6.5	6.4	6.5	6.1	5.7
35-44	10.4	8.6	7.8	7.3	6.5	6.3	6.0	5.6	5.0
45-54	5.6	5.3	4.9	5.0	5.2	5.2	5.1	5.2	5.0
55+	4.1	3.7	3.7	3.6	3.7	3.7	3.9	3.6	3.4
Total Male	7.5	6.4	5.9	5.7	5.6	5.6	5.5	5.3	5.1
Female Age Group									
15-19	1.6	1.4	1.3	1.5	1.4	1.2	1.2	1.2	1.3
20-24	3.3	2.8	2.5	2.6	2.5	2.5	2.1	2.4	2.0
25-34	3.6	3.2	2.8	2.7	2.6	2.6	2.4	2.3	2.3
35-44	3.9	3.5	3.5	3.4	3.5	3.1	3.2	3.1	3.2
45-54	3.7	3.5	3.2	3.4	3.4	3.4	3.5	3.6	3.3
55+	3.1	3.3	2.8	3.1	3.2	2.8	2.9	3.1	3.0
Total Female	3.5	3.2	2.9	3.0	3.0	2.8	2.8	2.8	2.8
Age Group									
15-19	3.3	2.7	2.4	2.4	2.6	2.3	2.3	2.3	2.4
20-24	7.1	5.8	5.3	5.0	4.9	4.9	4.7	4.5	4.3
25-34	6.8	5.8	5.2	4.9	4.7	4.7	4.6	4.4	4.2
35-44	6.3	5.5	5.2	5.1	4.9	4.8	4.8	4.7	4.4
45-54	4.7	4.4	4.1	4.2	4.4	4.4	4.4	4.4	4.2
55+	3.7	3.6	3.3	3.4	3.5	3.3	3.4	3.4	3.2
Total All	5.6	4.9	4.6	4.4	4.4	4.3	4.3	4.2	4.0

Figure 3 - Time Loss Injury Rates by Age Group and Gender, 2008

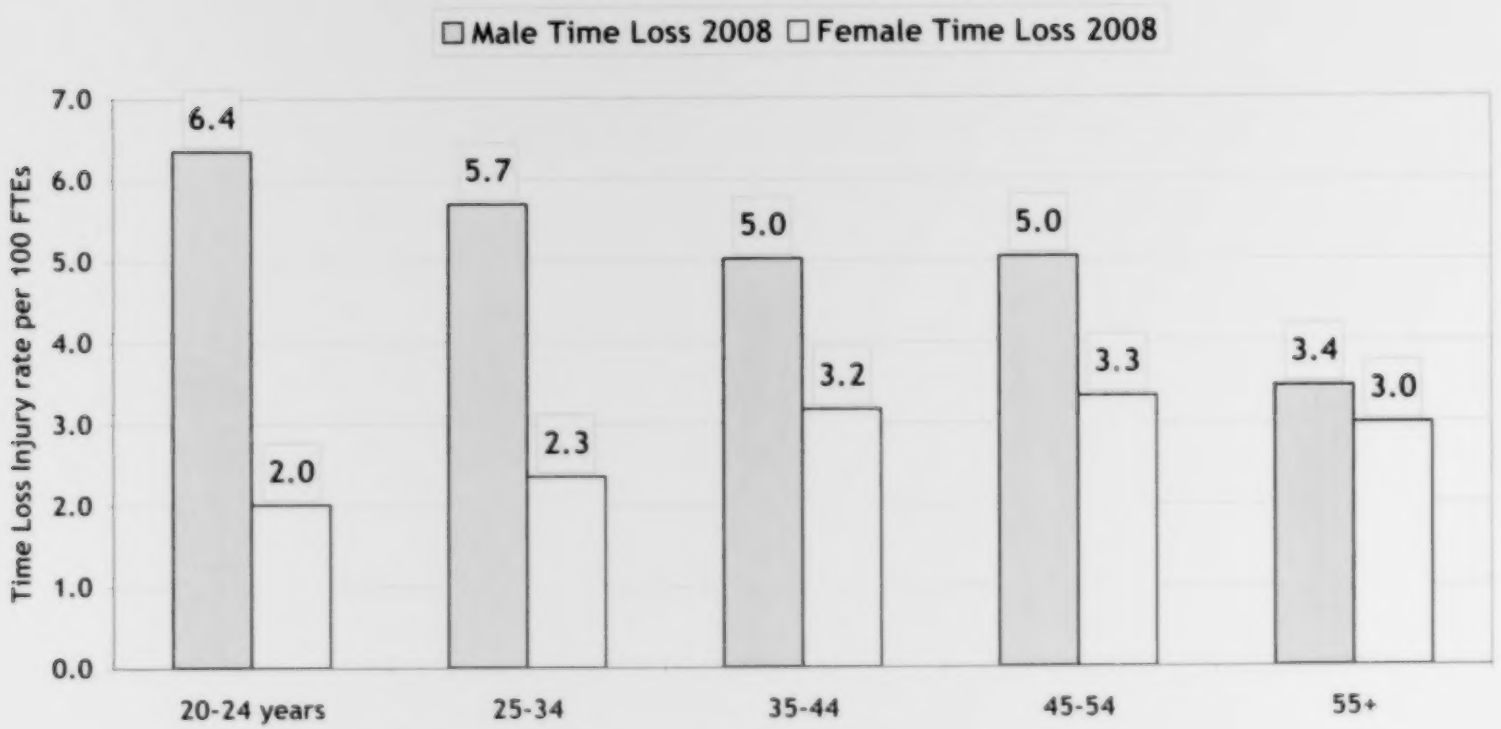


Figure 4 - Time Loss Injury Rates by Age Group 2000 to 2008

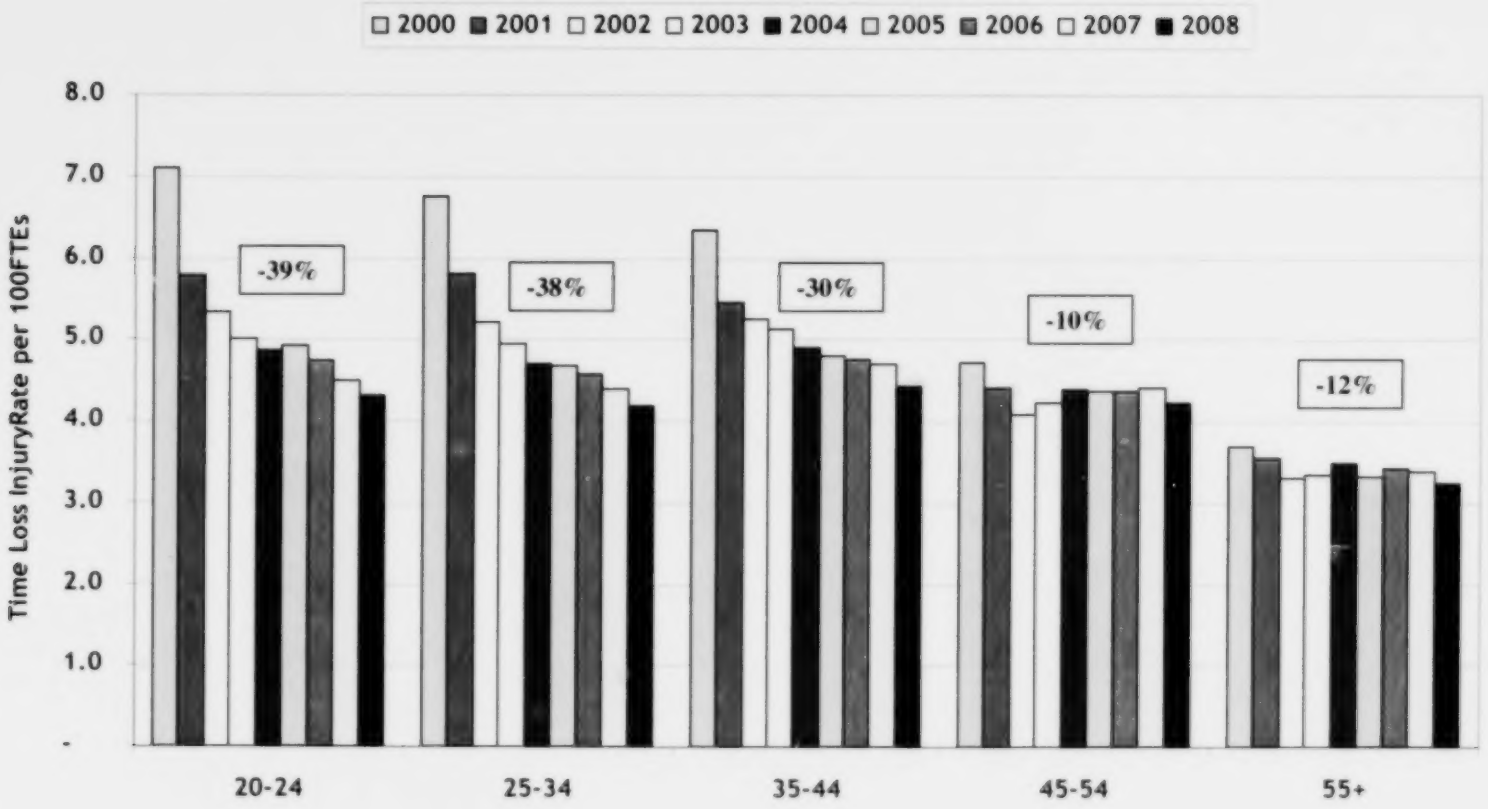


Figure 5 - Male Time Loss Injury Rates by Age Group, 2000 to 2008

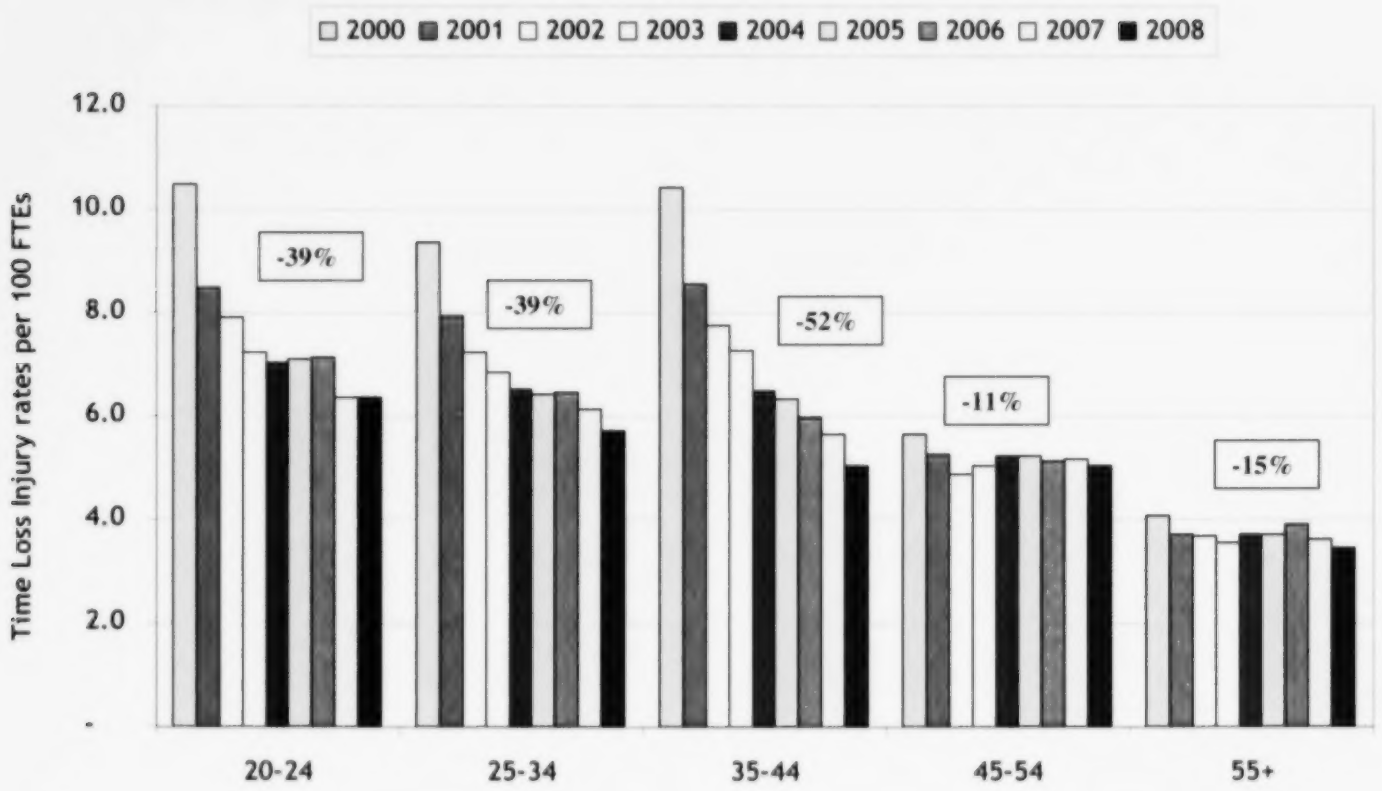
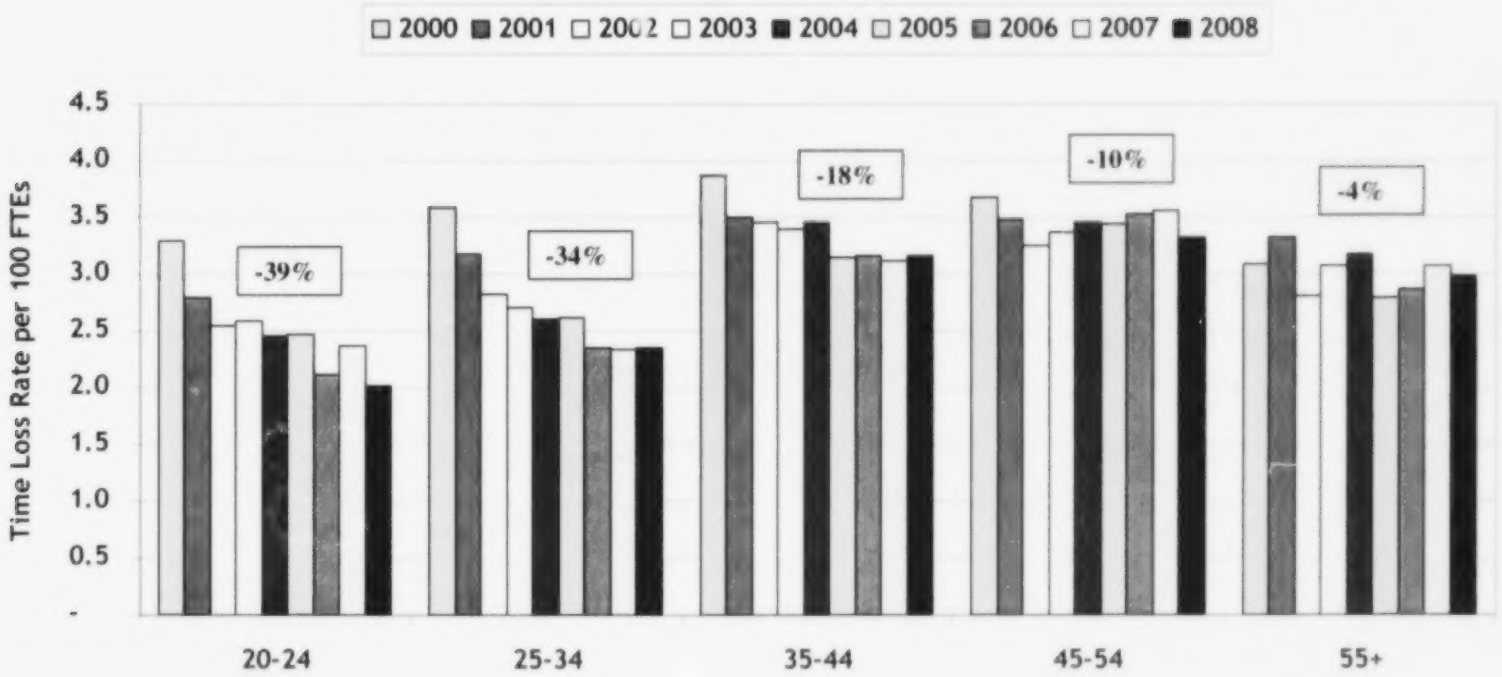


Figure 6 - Female Time Loss Injury Rates by Age Group 2000 to 2008



1.4 Industry Sector and Sub-Sector Rates

Table 2 - Time Loss Injury Rate by Major Industry Sectors and Selected Sub-Sectors, 2000 to 2008

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007	2008
Forestry	**5.0**	**8.3**	**8.0**	**7.3**	**6.3**	**4.8**	**4.6**	**8.3**	**6.1**
Mining, Quarrying & Oil Wells	**3.6**	**2.4**	**2.2**	**2.3**	**2.4**	**1.9**	**2.1**	**2.2**	**2.6**
• Mining	3.2	1.9	1.9	1.8	1.9	1.4	1.6	2.2	2.8
Manufacturing	**12.6**	**10.2**	**9.3**	**8.5**	**7.4**	**7.2**	**7.1**	**6.9**	**6.2**
• Meat Processing	18.0	13.1	12.1	10.8	8.6	7.3	7.2	6.1	3.2
• Metal Works	17.4	13.5	13.6	13.8	10.8	11.6	11.6	11.8	11.4
• Vehicle Manufacturing	29.1	25.0	16.0	13.9	10.3	8.6	7.5	7.5	6.5
• Agricultural Implement Manufacturing	19.3	14.5	14.2	12.4	10.9	9.7	11.9	10.7	10.2
• Wood Manufacturing	15.8	12.3	10.2	8.5	6.3	5.8	5.5	4.9	3.9
• Printing	4.4	3.7	4.4	3.7	3.8	3.8	3.3	2.8	2.7
• Clothing Manufacturing	3.7	3.2	3.4	3.5	3.5	2.8	2.5	2.7	4.7
• Aircraft Manufacturing and Repair	5.3	5.5	5.1	3.8	3.3	2.9	2.9	2.9	3.3
Construction	**10.1**	**8.5**	**8.9**	**8.7**	**8.7**	**9.4**	**9.1**	**8.8**	**8.1**
• Building Construction	11.0	9.0	9.1	8.5	8.5	9.2	9.3	9.2	8.8
• Heavy Construction	7.5	6.8	7.9	7.6	7.3	7.4	6.9	6.7	4.8
Transportation, Communication & Storage	**6.0**	**5.1**	**4.9**	**5.1**	**5.2**	**4.4**	**4.3**	**4.5**	**4.1**
• Trucking	9.6	8.7	8.6	8.1	7.6	7.0	6.4	6.5	5.6
Trade	**4.1**	**3.9**	**3.6**	**3.5**	**3.5**	**3.3**	**3.4**	**3.2**	**3.1**
• Supermarket and Department Stores	3.0	3.1	2.8	2.7	2.6	2.9	2.7	2.5	2.4
Service	**3.9**	**4.0**	**3.9**	**3.8**	**3.8**	**3.7**	**3.6**	**3.5**	**3.6**
• Accommodation and Restaurants	2.7	2.8	2.4	2.4	2.4	2.3	2.2	2.1	2.1
• Healthcare	5.0	5.0	5.1	4.8	4.8	4.6	4.7	4.6	4.9
Public Administration	**4.6**	**4.1**	**4.9**	**3.9**	**4.2**	**4.3**	**4.1**	**4.0**	**3.6**
Voluntary	**2.6**	**2.5**	**2.3**	**2.2**	**2.5**	**2.3**	**2.4**	**2.2**	**2.0**
• Agriculture[1]	4.8	4.9	4.5	5.0	6.6	5.4	5.2	5.2	4.6
• Educational Institutions	2.8	2.4	2.4	2.5	2.7	2.6	2.9	2.6	2.4
Self Insurers	**3.6**	**3.0**	**2.9**	**3.0**	**3.2**	**3.3**	**3.2**	**3.3**	**3.4**
Overall[2]	**5.6**	**4.9**	**4.6**	**4.4**	**4.4**	**4.3**	**4.3**	**4.2**	**4.0**

Source: WCB Claim and Employer Databases

[1] The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[2] Totals may not add as a few injuries or illnesses do not have their sector coded.

Figure 7 - Time Loss Injury Rate by Major Industry Sectors, 2000 and 2008

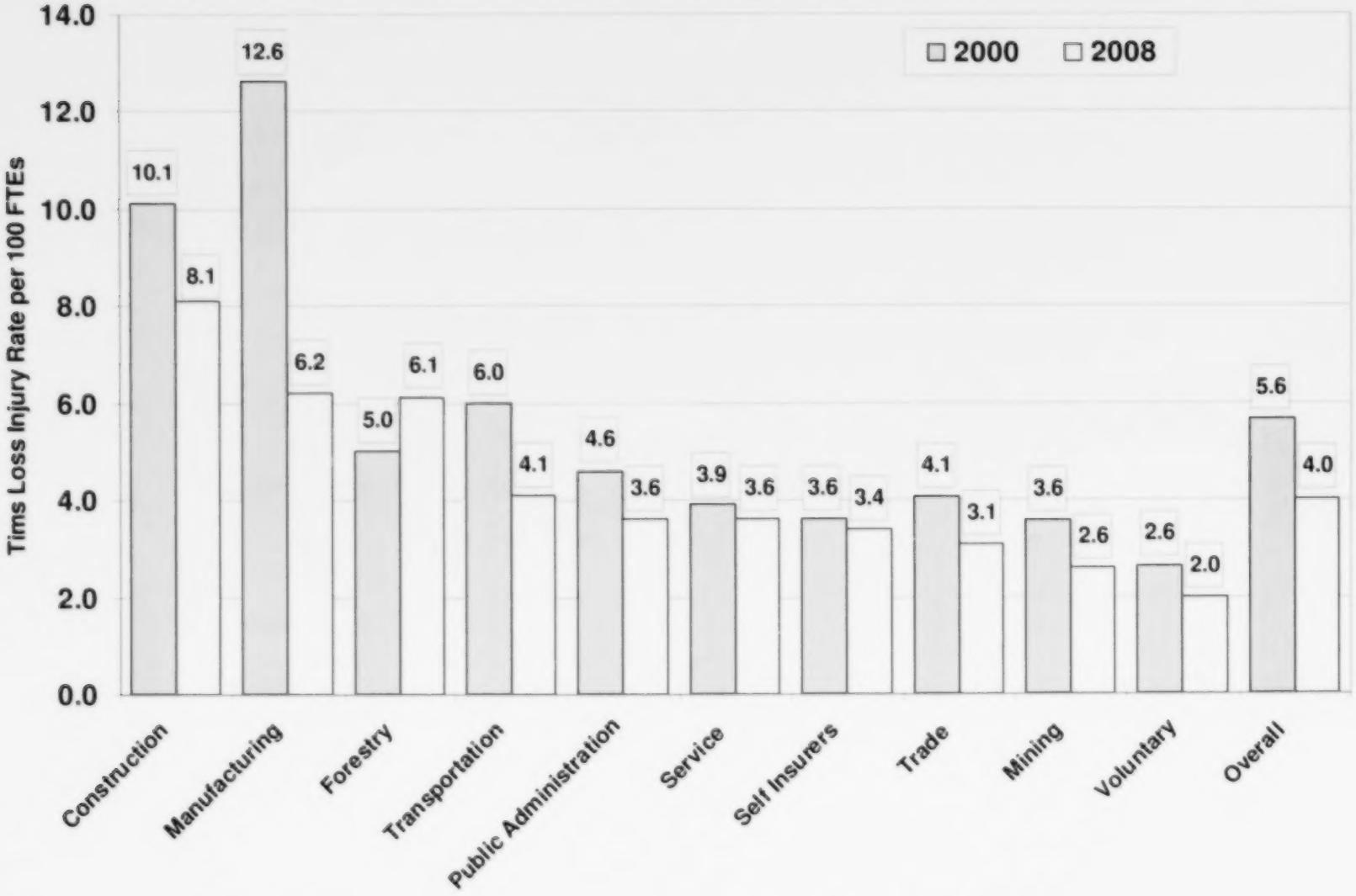


Table 3 - All Injury Rate by WCB Industry Sectors and Selected Sub-Sectors, 2000 to 2008

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007	2008
Forestry	**10.5**	**18.3**	**22.3**	**12.3**	**11.3**	**12.5**	**10.3**	**12.6**	**11.9**
Mining, Quarrying & Oil Wells	**23.6**	**20.0**	**16.1**	**16.5**	**17.0**	**14.2**	**13.7**	**12.6**	**14.2**
• Mining	22.7	20.2	17.6	17.8	18.7	15.2	14.4	14.1	17.4
Manufacturing	**25.7**	**22.0**	**20.5**	**19.2**	**16.9**	**16.7**	**16.0**	**15.2**	**13.7**
• Meat Processing	52.7	43.5	42.2	38.3	28.7	31.0	25.1	20.2	15.0
• Metal Works	38.8	31.3	30.1	29.9	26.4	26.6	25.4	25.1	23.2
• Vehicle Manufacturing	47.2	40.7	29.8	26.6	20.0	17.3	15.9	16.7	13.9
• Agricultural Implement Manufacturing	40.1	31.0	29.7	29.1	27.0	24.5	25.9	23.9	22.2
• Wood Manufacturing	31.3	27.7	23.8	19.8	14.5	14.0	14.2	12.3	10.0
• Printing	8.6	6.8	7.9	8.0	7.3	7.1	6.4	5.5	5.1
• Clothing Manufacturing	5.8	5.5	5.6	5.5	5.2	5.6	4.6	4.6	7.8
• Aircraft Manufacturing and Repair	9.9	10.5	9.7	6.9	6.5	5.9	6.2	5.2	5.7
Construction	**20.4**	**17.0**	**17.3**	**17.2**	**16.9**	**17.9**	**17.7**	**17.7**	**16.9**
• Building Construction	22.1	18.1	17.5	17.0	16.5	17.4	17.8	18.5	18.0
• Heavy Construction	15.3	13.2	16.2	14.7	14.8	14.9	14.4	13.3	11.5
Transportation, Communication & Storage	**10.5**	**8.9**	**8.3**	**8.9**	**8.7**	**7.3**	**7.1**	**7.3**	**6.8**
• Trucking	15.4	13.9	13.0	12.8	11.9	10.6	9.8	10.1	8.9
Trade	**8.2**	**7.8**	**7.2**	**7.5**	**7.2**	**7.0**	**7.1**	**6.6**	**6.3**
• Supermarket and Department Stores	6.1	6.1	5.7	5.7	5.5	6.0	5.8	5.2	5.1
Service	**7.3**	**7.3**	**7.1**	**7.0**	**7.4**	**7.1**	**7.1**	**6.6**	**6.5**
• Accommodation and Restaurants	6.4	6.3	5.5	5.4	5.5	5.3	5.1	4.5	4.5
• Healthcare	8.6	8.6	8.7	8.6	8.9	8.4	8.7	8.3	8.5
Public Administration	**10.7**	**9.0**	**10.4**	**9.6**	**8.7**	**9.6**	**10.2**	**9.6**	**9.0**
Voluntary	**5.2**	**4.8**	**4.6**	**4.8**	**5.1**	**4.7**	**5.0**	**4.6**	**4.5**
• Agriculture[3]	9.4	8.9	8.3	10.0	12.7	10.1	10.8	9.6	8.2
• Educational Institutions	5.3	4.6	4.9	5.2	5.3	5.2	5.3	5.6	5.3
Self Insurers	**8.0**	**6.9**	**6.8**	**6.7**	**6.9**	**6.9**	**6.7**	**6.7**	**6.5**
Overall[4]	**11.5**	**10.2**	**9.6**	**9.4**	**9.1**	**9.1**	**8.9**	**8.5**	**8.2**

Source: WCB Claim and Employer Databases

[3] The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[4] Totals may not add as a few injuries or illnesses do not have their sector coded.

Figure 8 - All Injury Rate by Major Industry Sectors, 2000 and 2008

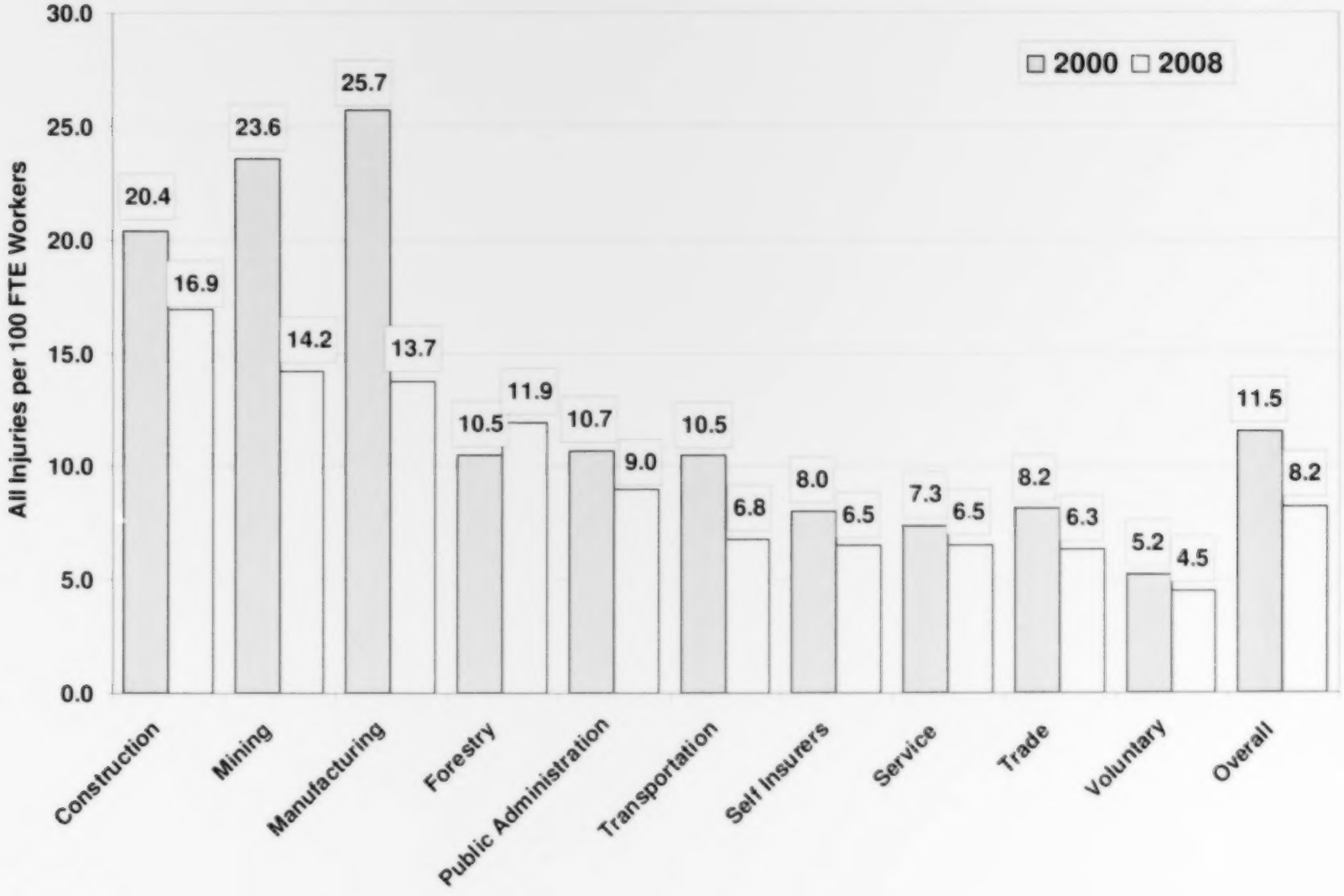


Figure 9 – All Injury Rate and Time Loss Injury Rate, Selected Manufacturing Sub-Sectors, 2008

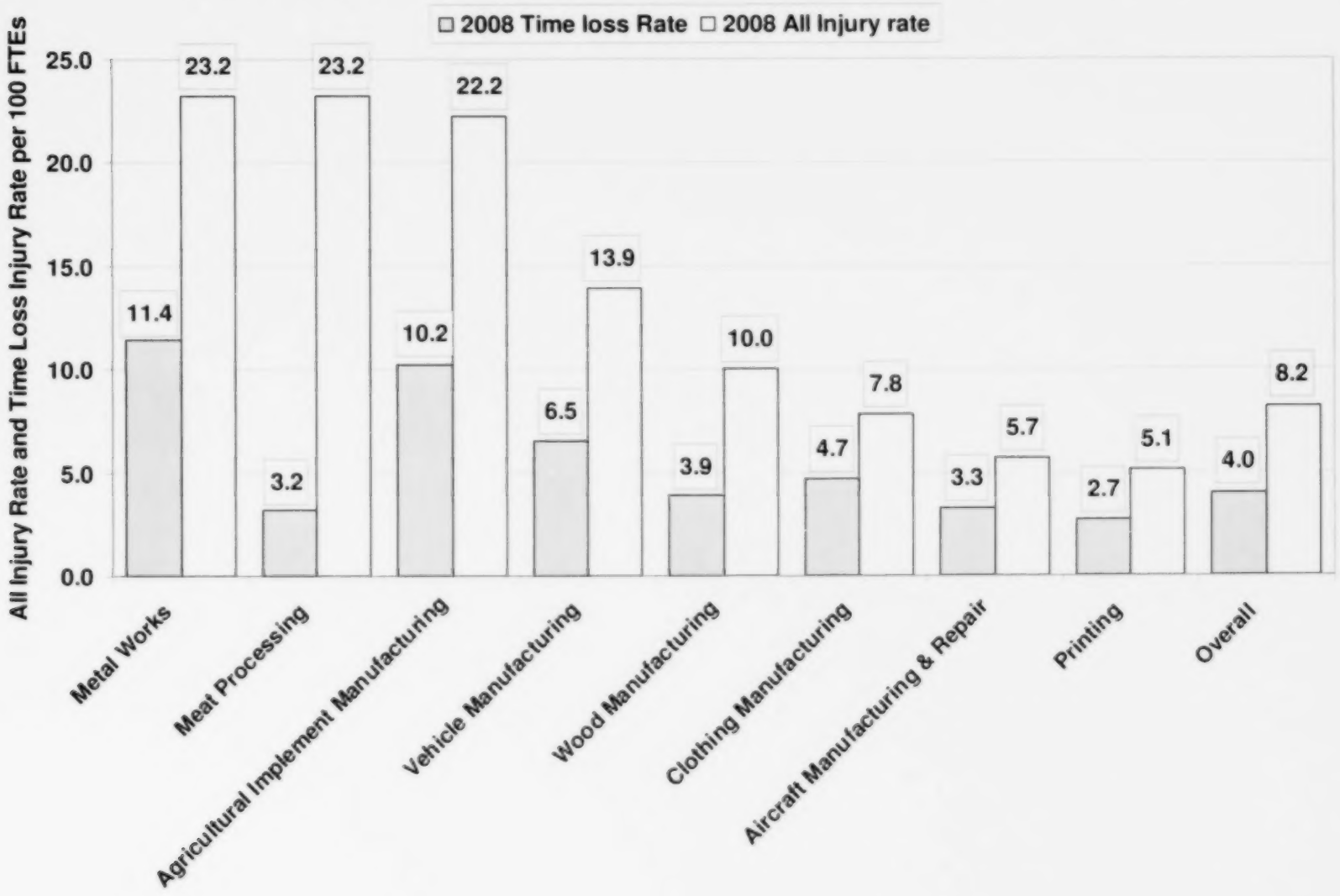
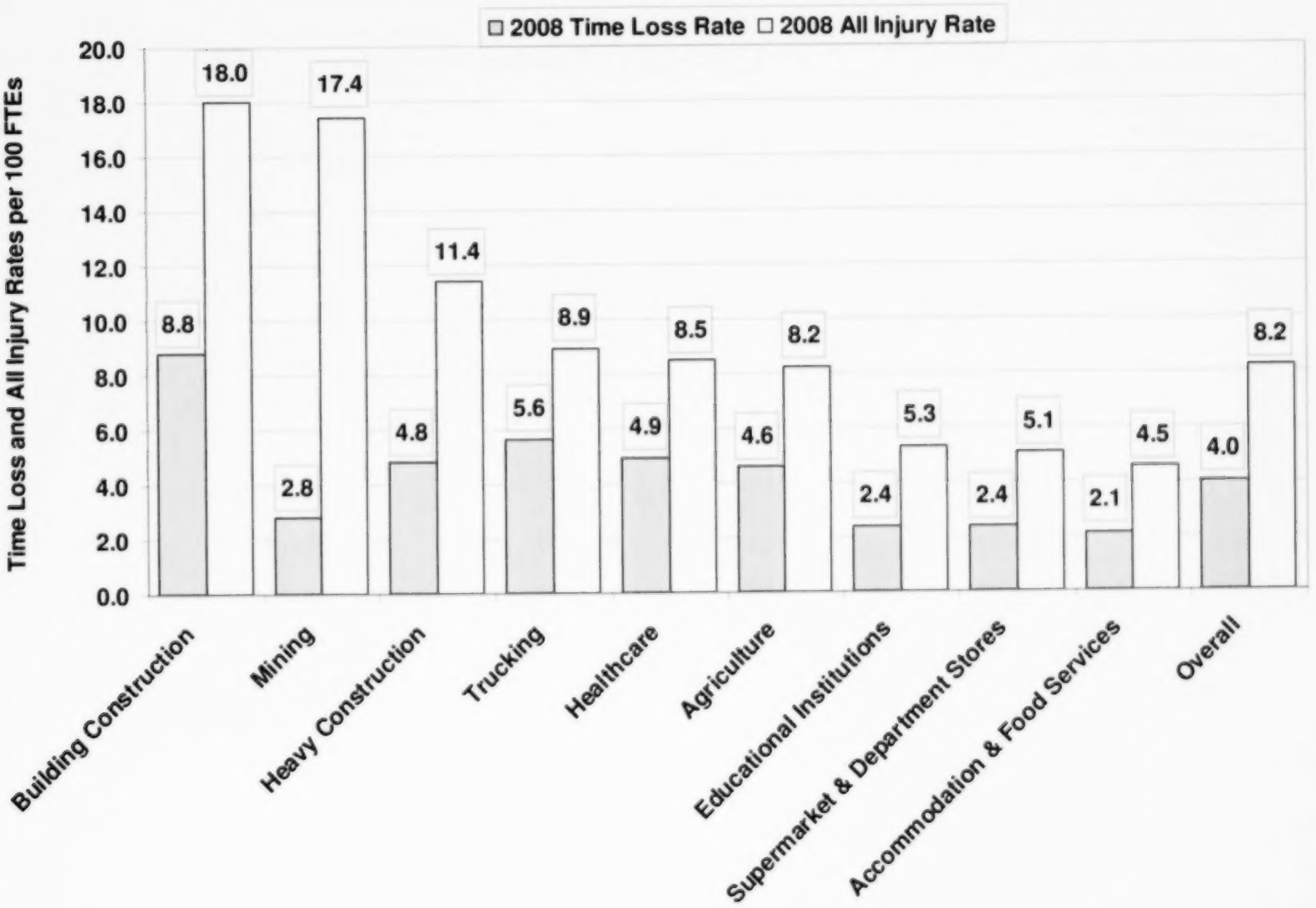


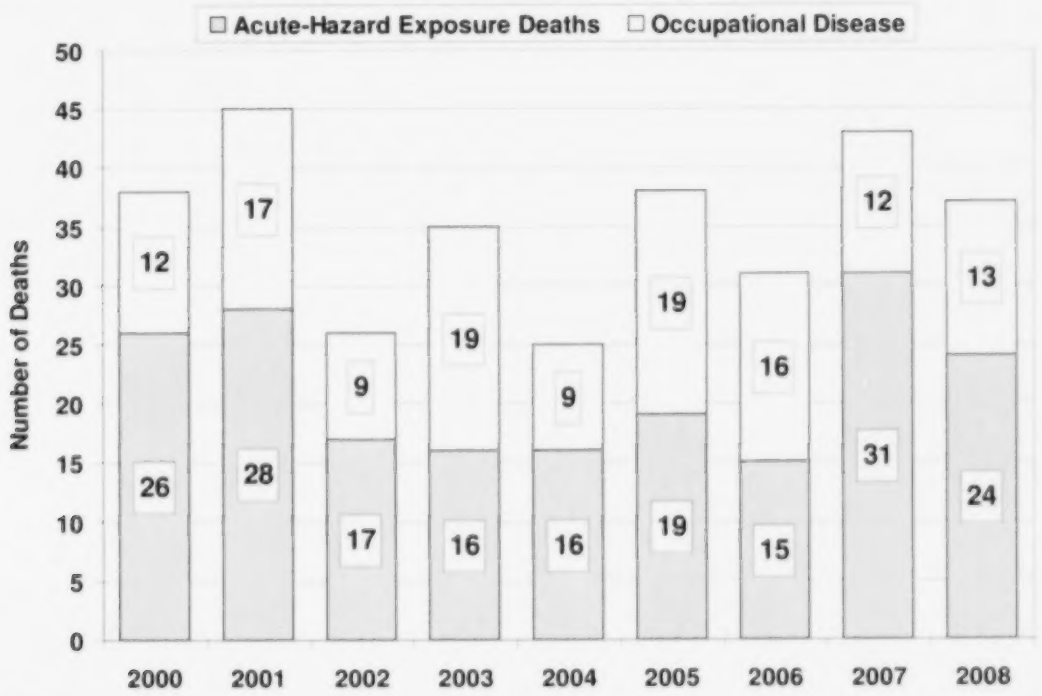
Figure 10 - All Injury Rate and Time Loss Injury Rate, Other Industry Sub-Sectors, 2008



2.0 WORKPLACE FATALITIES

2.1 Acute-Hazard[5] and Occupational Disease[6] Fatalities

Figure 11 - Acute-Hazard and Occupational Disease Fatalities, 2000-2008

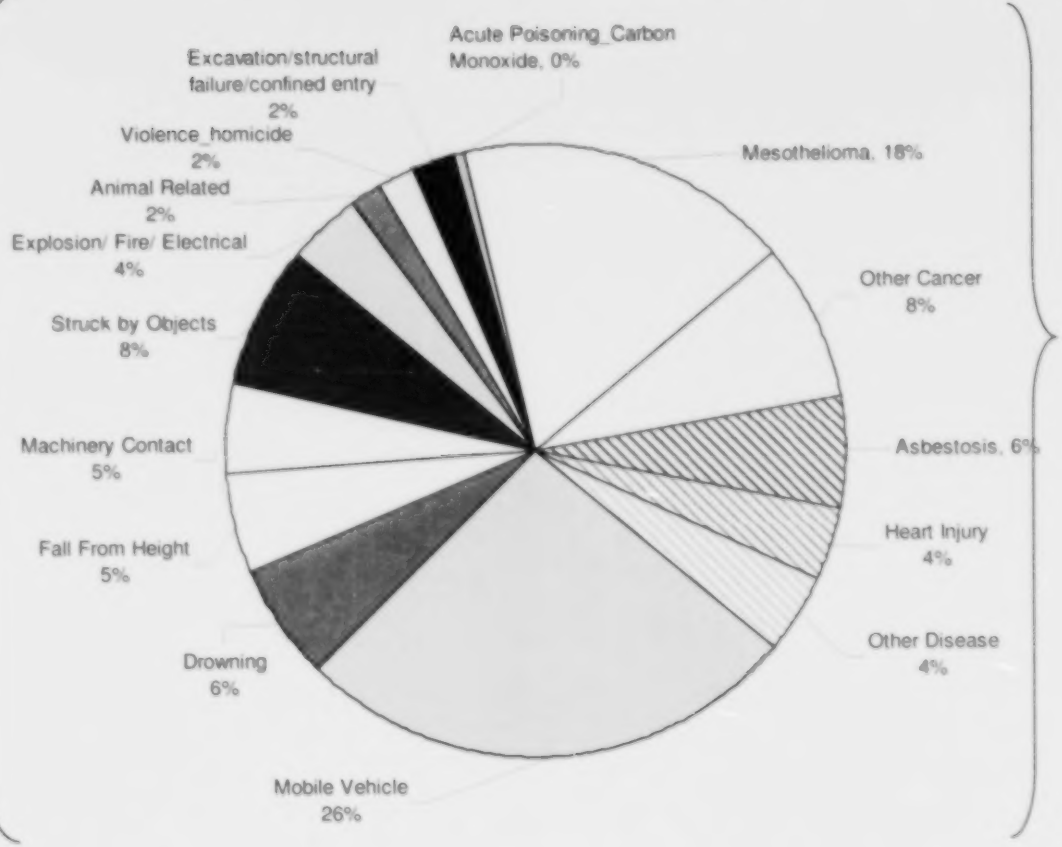


[5] Note that for the 2008 report year, acute hazard fatalities are now counted in the year of death. An acute-hazard exposure death is a work-related fatality that occurs when a worker is injured or exposed to a significant amount of a hazardous agent. In such cases, the worker dies immediately or soon after the exposure. This category includes such deaths as falls from height, drowning and highway crashes. It excludes deaths due to infectious agents. Acute-hazard fatalities include fatalities accepted by the Manitoba WCB, and those identified as work-related by the Chief Medical Examiner's Office, the RCMP, and the Workplace Safety and Health Division. Acute hazard fatalities are recorded in the year of death.

[6] An occupational disease death is a work-related fatality that occurs when a worker develops a disease or illness as the result of a long-term exposure to a hazardous substance or contact with a disease-causing agent. In such cases, the worker normally dies after months or years have passed. This category also includes traumatic or single events that have precipitated a functional failure such as a myocardial infarction. The fatalities are organized by year of acceptance by the WCB. Only those occupational disease fatalities accepted by the WCB are included in this report. No other body tracks disease related deaths in workplaces outside of the WCB system that may be work-related.

Figure 12 - Acute-Hazard and Occupational Disease Fatalities, 2000 to 2008 by Cause

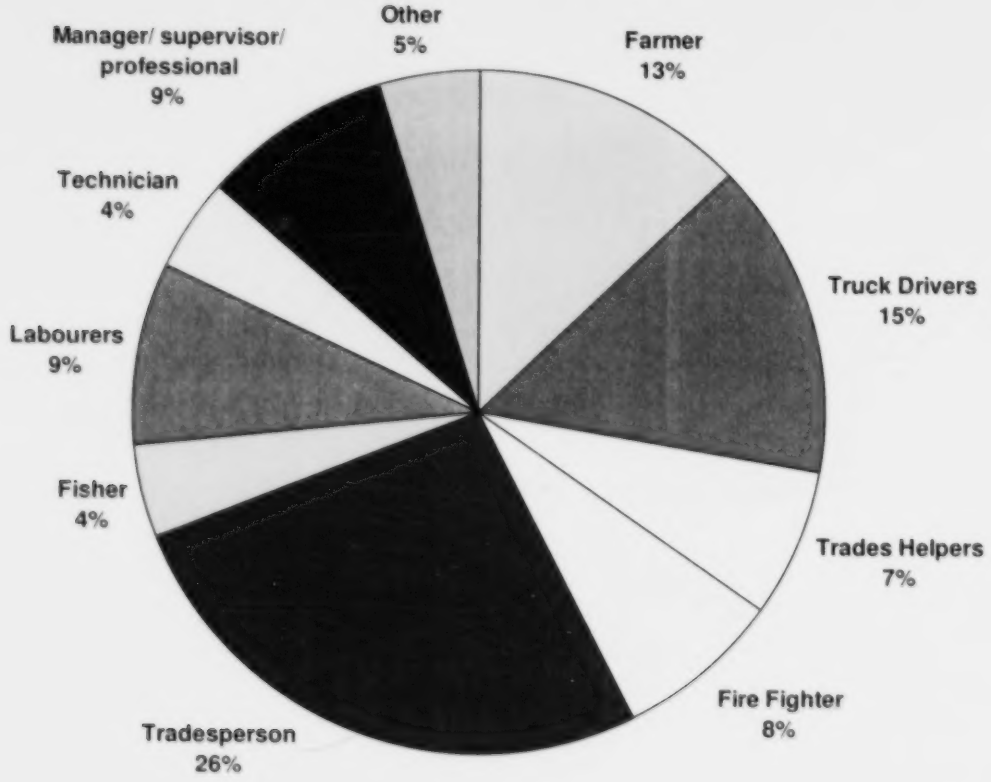
Acute-Hazard Fatalities (192)



Occupational Disease Fatalities (126)

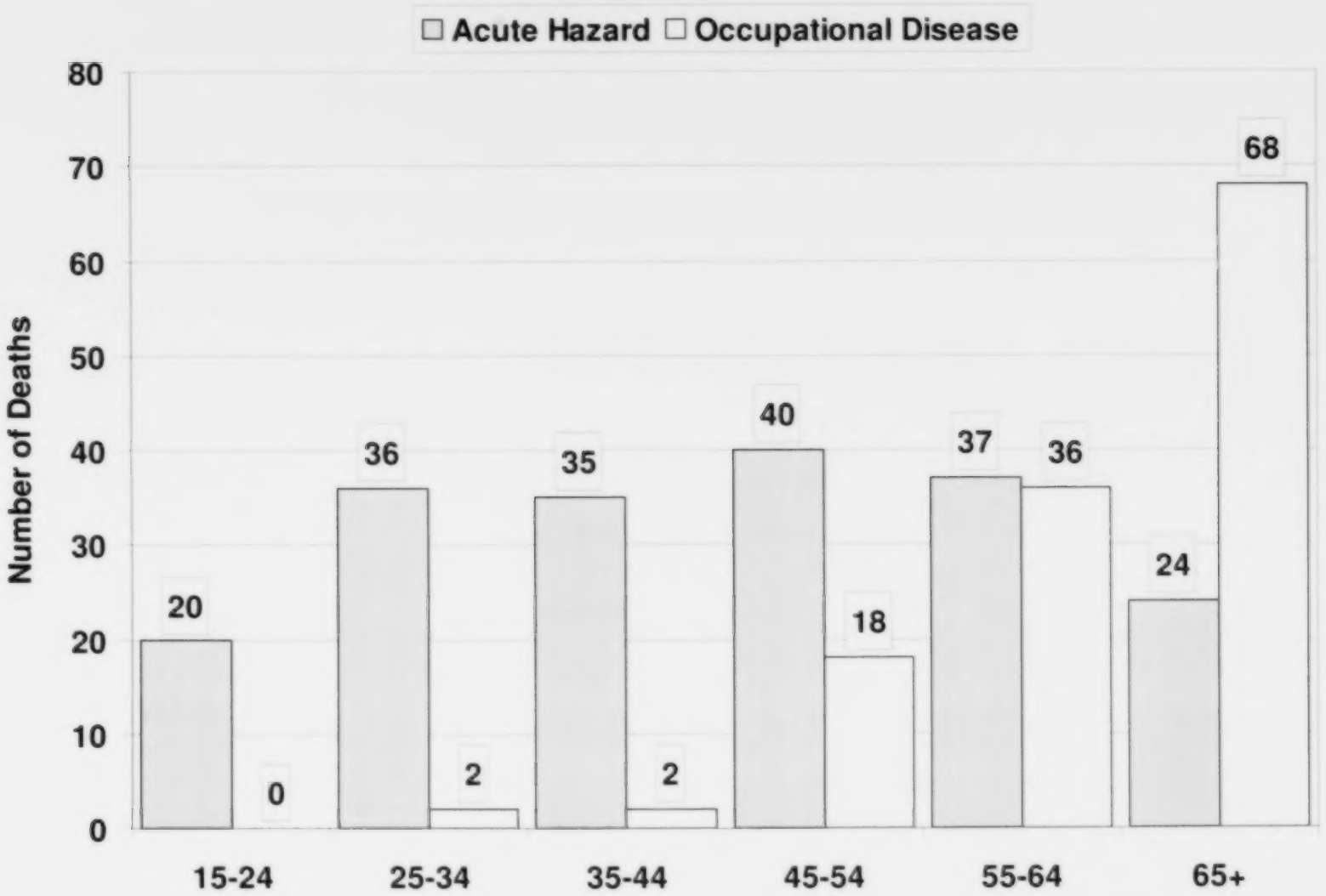
Category	#
Mobile Vehicle	84
Drowning	19
Fall From Height	17
Machinery Contact	15
Struck by Objects	24
Explosion/ Fire/ Electrical	12
Animal Related	6
Violence/homicide	6
Excavation/structural failure/confined entry	7
Acute Poisoning/Carbon Monoxide	2
Mesothelioma	55
Other Cancer	27
Asbestosis	18
Heart Injury	13
Other Disease	13
Total	318

Figure 13 - Fatalities in the Workplace (Acute Hazard and Occupational Disease) by Occupation, 2000 to 2008



Category	#
Farmer	41
Truck Drivers	47
Trades Helpers	22
Fire Fighter	25
Tradesperson	84
Fisher	14
Labourers	28
Technician	14
Manager/ supervisor/ professional	28
Other	15
Total	318

Figure 14 - Distribution of Acute-Hazard and Occupational Disease Fatalities by Age, 2000 to 2008



2.2 Acute-Hazard Fatalities

Table 4- Acute-Hazard Fatalities, 2008

Acute-Hazard Fatalities			
Month of Death	**Industry**	**Circumstances**	**Occupation**
January	Agriculture	Machinery Contact	Farmer
January	Public Administration	Drowning	Equipment Operator
February	Manufacturing	Mobile Vehicle	Truck Driver
March	Transportation Communication and Utilities	Mobile Vehicle	Taxi Driver
May	Trade	Struck by Objects	Auto technician
May	Other Service	Mobile Vehicle	Environmental technician
May	Trade	Struck by Objects	Machinery technician
May	Construction	Fall From Height	Carpenter
May	Construction	Drowning	Equipment Operator
June	Other Service	Mobile Vehicle	Labourer
June	Agriculture	Machinery Contact	Equipment mechanic
June	Transportation Communication and Utilities	Mobile Vehicle	Truck Driver
June	Manufacturing	Electric Current	Machinery technician
July	Construction	Mobile Vehicle	Construction Labourer
July	Agriculture	Struck by Objects	Farmer

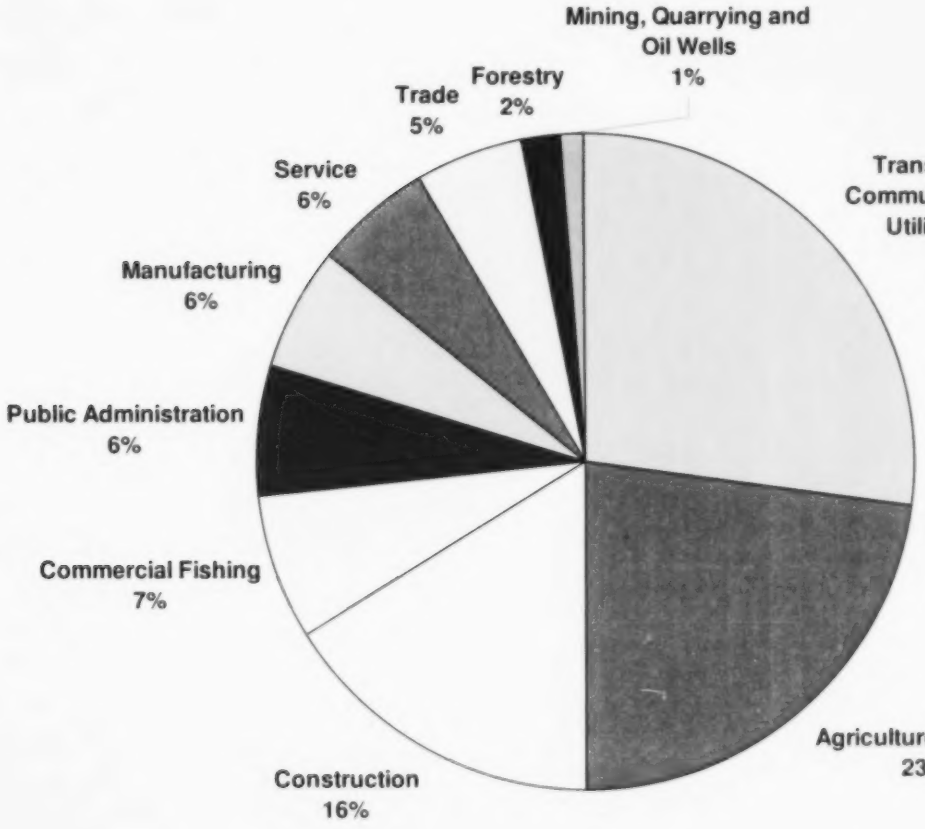
Acute-Hazard Fatalities			
Month of Death	**Industry**	**Circumstances**	**Occupation**
July	Construction	Caught In Objects	Construction Labourer
August	Transportation Communication and Utilities	Mobile Vehicle	Truck Driver
August	Agriculture	Mobile Vehicle	Pilot
August	Agriculture	Mobile Vehicle	Mechanic
August	Agriculture	Mobile Vehicle	Farmer
September	Agriculture	Struck by Objects	Farmer
October	Transportation Communication and Utilities	Acute Carbon Monoxide	Truck Driver
November	Trade	Struck by Objects	Skilled Labourer
November	Transportation Communication and Utilities	Mobile Vehicle	Truck Driver

Table 5 - Acute-Hazard Exposure Fatalities by Industry, 2000 to 2008[7]

Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008
Agriculture/Farming	8	3	1	6	4	5	4	6	7
Forestry	0	1	0	0	1	1	0	1	0
Commercial Fishing	0	3	2	1	3	5	0	0	0
Mining, Quarrying and Oil Wells	2	0	0	0	0	0	0	0	0
Construction	1	4	6	3	1	1	3	8	4
Manufacturing	2	0	1	2	0	1	3	1	2
Transportation, Communication and Storage (Includes inter-provincial trucking and rail and air transport)	11	12	4	1	3	5	1	10	5
Trade	0	1	1	0	3	0	2	0	3
Service[8]	0	2	1	3	1	1	1	0	2
Public Administration (includes RCMP, prisons, federal agencies)	2	2	1	0	0	0	1	5	1
Total for Acute-Hazard Exposure Fatalities	**26**	**28**	**17**	**16**	**16**	**19**	**15**	**31**	**24**

[7] Acute Hazard fatalities are counted in the year the worker died.
[8] Service includes schools, healthcare, security guards

Figure 15 - Acute-Hazard Fatalities by Major Industry Sectors, 2000 to 2008



Category	#
Transportation, Communication and Utilities	52
Agriculture/Farming	44
Construction	31
Commercial Fishing	14
Public Administration	12
Manufacturing	12
Service	11
Trade	10
Forestry	4
Mining, Quarrying and Oil Wells	2
Total	192

2.3 Occupational Disease Fatalities

Table 6 - Occupational Disease Fatalities Accepted by the WCB, 2000 to 2008[9]

Disease Conditions	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asbestosis	2	3	1	3	1	3	2	1	2
Mesothelioma	4	11	7	8	7	8	4	2	4
Other Cancers	2	1	1	7	0	4	6	3	3
Heart Injury	2	1	0	1	1	0	3	3	2
Other Disease	2	1	0	0	0	4	1	3	2
Total	**12**	**17**	**9**	**19**	**9**	**19**	**16**	**12**	**13**

[9] Occupational Disease fatalities are counted by year of acceptance and not by year of reporting or death.

Table 7 Occupational Disease Fatalities 2008

Occupational Disease Fatalities			
Date of Death[10]	Industry	What Happened - Disease	Occupation
December 1979	Public Administration	Other Cancer	Firefighter
April 2007	Mining	Complications from original injury	Miner
May 2007	Public Administration	Heart Injury	Fire Ranger
August 2007	Public Administration	Asbestosis	Trades Helper
August-2007	Public Administration	Asbestosis	Equipment Operator
October 2007	Public Administration	Other Cancer	Firefighter
October 2007	Construction	Mesothelioma	Equipment Operator
November 2007	Transportation Communication and Utilities	Mesothelioma	Skilled Labourer
January 2008	Transportation Communication and Utilities	Heart Injury	Truck Driver
March 2008	Trade	Lead Poisoning	Skilled Labourer
March 2008	Manufacturing	Mesothelioma	Lab technician
May 2008	Logging	Mesothelioma	Skilled Labourer
October 2008	Public Administration	Other Cancer	Firefighter

[10] Occupational Disease fatalities are counted by year of acceptance and not by year of reporting or death.

3.0 WORKPLACE INJURY AND ILLNESS ANALYSIS

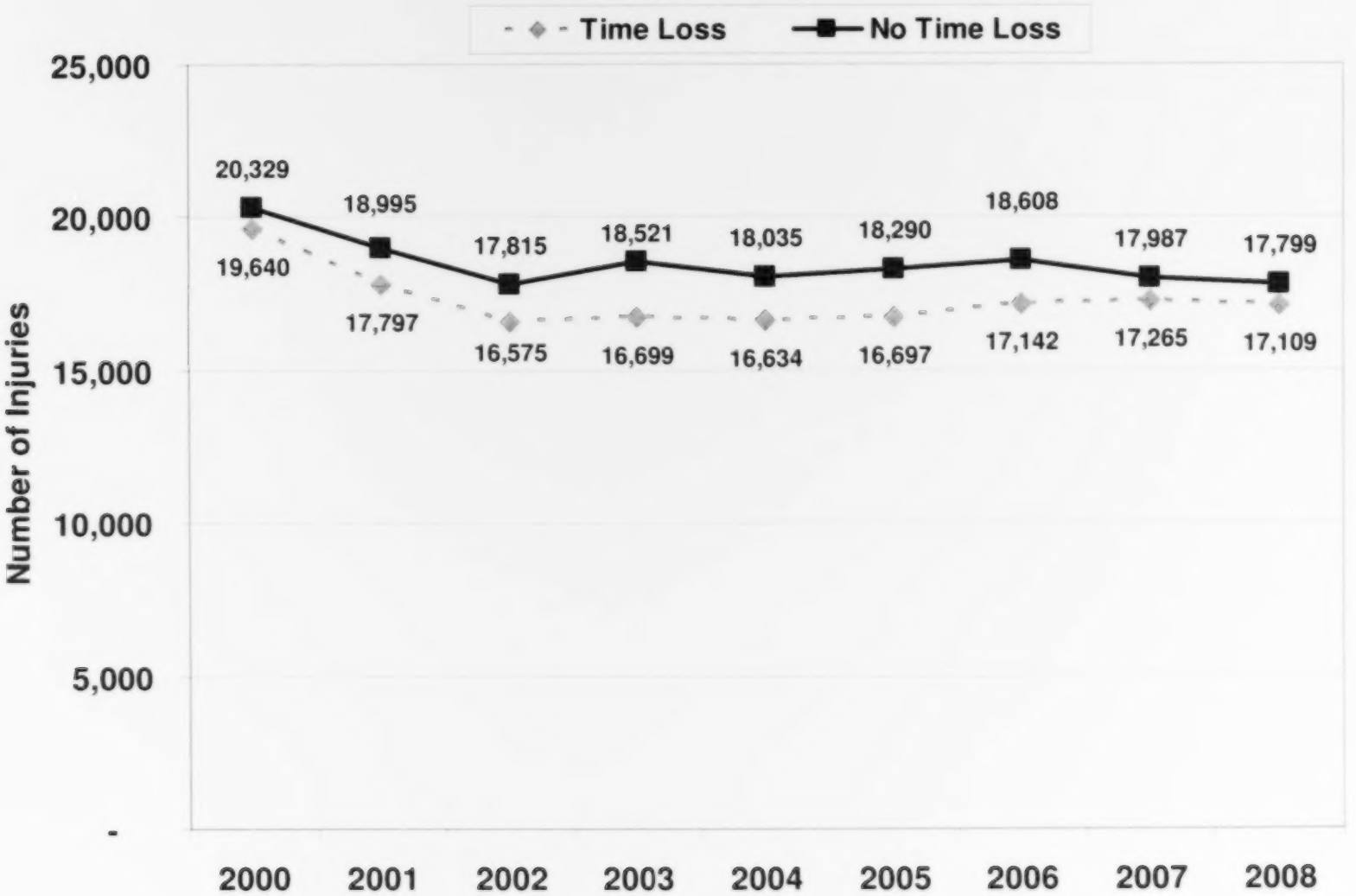
3.1 Time Loss and No time Loss injuries

Table 8 – Notified and Accepted Time Loss[11] and No Time Loss Injuries, 2000 to 2008

	Reported to WCB and Accepted								
Type of Injury	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Time Loss Injuries	19,640	17,797	16,575	16,699	16,634	16,697	17,142	17,265	17,109
No Time Loss Injuries	20,329	18,995	17,815	18,521	18,035	18,290	18,608	17,987	17,799
Total All Injuries	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**	**34,908**

[11] The data used to calculate the annual injury rates includes injuries where the WCB is notified of the claim and it is accepted in the particular year, regardless of the year of injury.

Figure 16 - Trends in Time Loss and No Time Loss Injuries 2000-2008



3.2 Accepted Injuries by Age Group

Table 9- Injuries by Age Group, 2000 to 2008

	Year of Injury or Illness								
Age Group	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
15-24	7,418	6,563	6,031	6,072	5,927	6,044	6,037	5,969	5,845
25-34	10,306	9,087	8,175	8,116	7,848	7,901	7,929	7,546	7,543
35-44	11,299	10,387	9,579	9,620	8,938	8,686	8,645	8,196	7,810
45-54	7,141	7,142	6,902	7,425	7,723	7,924	8,322	8,425	8,471
55+	2,978	3,142	3,161	3,575	3,815	4,067	4,401	4,613	4,784
Not Coded	827	471	542	412	418	365	416	503	455
Total	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**	**34,908**

Figure 17 - Proportion of All Injuries and Employment by Age Group, 2008

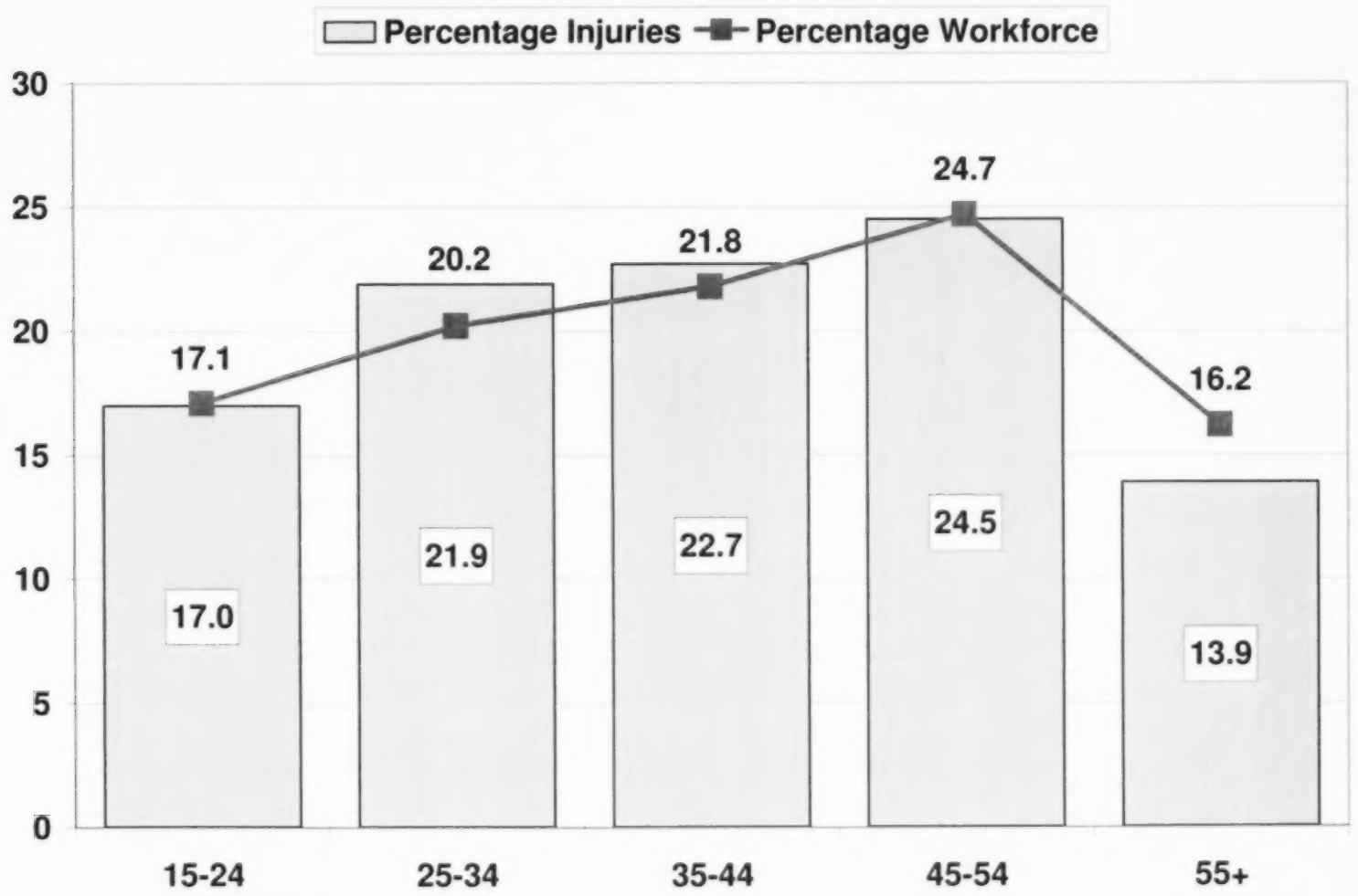
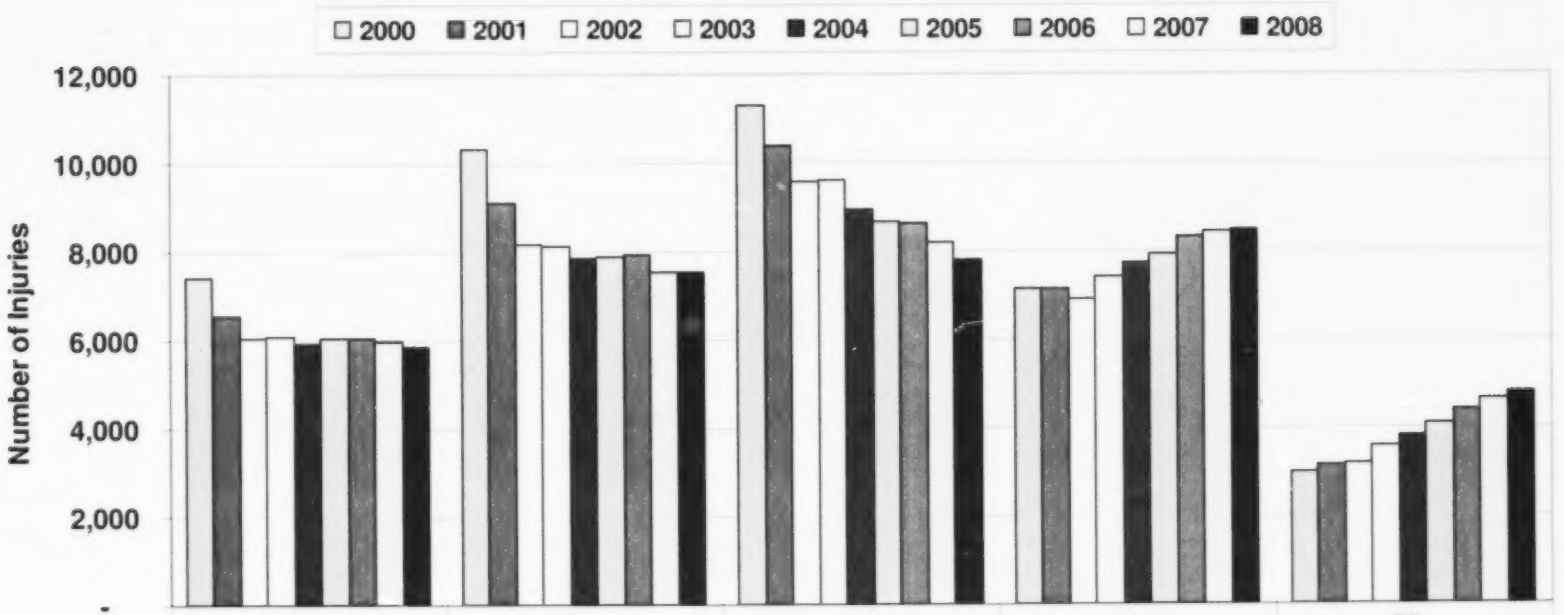


Figure 18 - All Injuries by Age Group, 2000 to 2008



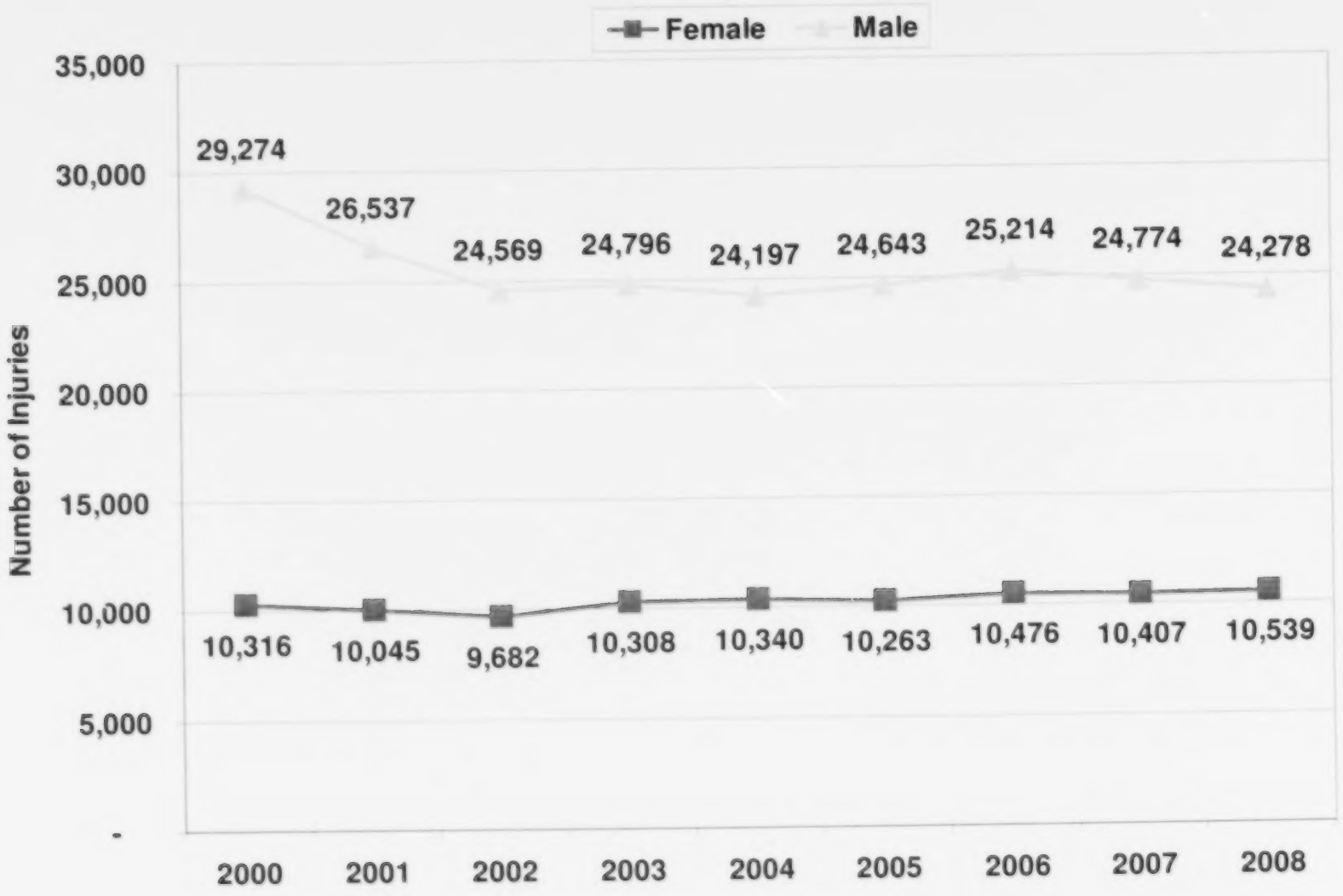
	15-24	25-34	35-44	45-54	55+
2000	7,418	10,306	11,299	7,141	2,978
2001	6,563	9,087	10,387	7,142	3,142
2002	6,031	8,175	9,579	6,902	3,161
2003	6,072	8,116	9,620	7,425	3,575
2004	5,927	7,848	8,938	7,723	3,815
2005	6,044	7,901	8,686	7,924	4,067
2006	6,037	7,929	8,645	8,322	4,401
2007	5,969	7,546	8,196	8,425	4,613
2008	5,845	7,543	7,810	8,471	4,784

3.3 Accepted Injuries by Gender

Table 10 - Injuries by Gender, 2000 to 2008

Gender	Year of Injury or Illness								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Female	10,316	10,045	9,682	10,308	10,340	10,263	10,476	10,407	10,539
Male	29,274	26,537	24,569	24,796	24,197	24,643	25,214	24,774	24,278
Gender Unspecified	379	210	139	116	132	81	60	71	91
Total	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**	**34,908**
Percentage Female Injuries	25.8%	27.3%	28.2%	29.3%	29.8%	29.3%	29.3%	29.5%	30.2%

Figure 19 - Injuries by Gender, 2000 to 2008



3.4 Injuries by Industry Sector

Table 11 - Time Loss Injuries by Major Industry Sectors and Selected Sub-Sectors, 2000 to 2008

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007	2008
Forestry	**20**	**29**	**26**	**29**	**25**	**19**	**15**	**27**	**16**
Mining, Quarrying & Oil Wells	**152**	**109**	**95**	**98**	**99**	**94**	**118**	**158**	**180**
• Mining	113	69	64	60	62	54	73	115	123
Manufacturing	**7,640**	**6,355**	**5,565**	**5,231**	**4,604**	**4,526**	**4,497**	**4,239**	**3,906**
• Meat Processing	494	414	417	389	319	260	274	246	163
• Metal Works	987	791	762	829	686	799	871	885	872
• Vehicle Manufacturing	1,119	914	501	425	286	273	236	240	206
• Agricultural Implement Manufacturing	822	610	600	566	547	496	578	530	578
• Wood Manufacturing	1,316	1,109	986	880	764	717	645	567	447
• Printing	239	204	245	205	198	195	177	149	155
• Clothing Manufacturing	214	172	167	155	130	77	68	59	55
• Aircraft Manufacturing and Repair	225	224	182	124	116	104	123	141	149
Construction	**1,645**	**1,384**	**1,416**	**1,510**	**1,561**	**1,770**	**1,892**	**2,035**	**2,115**
• Building Construction	1,389	1,161	1,174	1,251	1,313	1,492	1,589	1,689	1,817
• Heavy Construction	256	223	242	259	248	278	303	346	298
Transportation, Communication & Storage	**1,349**	**1,208**	**1,156**	**1,213**	**1,297**	**1,275**	**1,317**	**1,495**	**1,382**
• Trucking	852	779	747	786	870	843	862	914	796
Trade	**2,622**	**2,593**	**2,418**	**2,479**	**2,552**	**2,574**	**2,683**	**2,643**	**2,626**
• Supermarket and Department Stores	1,262	1,354	1,265	1,303	1,322	1,413	1,433	1,377	1,358
Service	**3,389**	**3,470**	**3,460**	**3,516**	**3,647**	**3,588**	**3,692**	**3,814**	**4,023**
• Accommodation and Restaurants	814	841	706	709	725	680	703	709	736
• Healthcare	2,205	2,249	2,358	2,398	2,484	2,439	2,498	2,531	2,712
Public Administration	**137**	**133**	**146**	**126**	**142**	**147**	**143**	**151**	**141**
Voluntary	**916**	**868**	**803**	**823**	**910**	**855**	**959**	**833**	**812**
• Agriculture[12]	88	114	109	120	141	113	112	114	119
• Educational Institutions	393	339	343	350	386	385	467	398	382
Self Insurers	**1,770**	**1,648**	**1,490**	**1,674**	**1,797**	**1,849**	**1,826**	**1,870**	**1,908**
Overall[13]	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**	**17,109**

Source: WCB Claim and Employer Databases

[12] The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[13] Totals may not add as a few injuries or illnesses do not have their sector coded.

Table 12 – All Injuries by Major Industry Sectors and Selected Sub-Sectors, 2000 to 2008

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007	2008
Forestry	**42**	**64**	**74**	**49**	**44**	**49**	**35**	**41**	**31**
Mining, Quarrying & Oil Wells	**1,018**	**923**	**700**	**714**	**701**	**704**	**793**	**919**	**973**
• Mining	822	740	588	574	604	585	648	735	771
Manufacturing	**15,566**	**13,683**	**12,348**	**11,832**	**10,489**	**10,510**	**10,159**	**9,383**	**8,673**
• Meat Processing	1,446	1,368	1,437	1,375	1,062	1,114	961	816	759
• Metal Works	2,205	1,830	1,713	1,794	1,676	1,829	1,904	1,876	1,767
• Vehicle Manufacturing	1,816	1,484	934	812	557	553	501	535	443
• Agricultural Implement Manufacturing	1,703	1,297	1,266	1,3290	1,350	1,256	1,257	1,188	1,254
• Wood Manufacturing	2,609	2,509	2,296	2,035	1,756	1,743	1,674	1,436	1,134
• Printing	466	377	433	442	383	361	335	295	295
• Clothing Manufacturing	339	294	274	244	192	155	128	100	92
• Aircraft Manufacturing and Repair	419	422	341	226	228	212	257	254	252
Construction	**3,306**	**2,757**	**2,736**	**2,978**	**3,045**	**3,363**	**3,688**	**4,066**	**4,427**
• Building Construction	2,789	2,324	2,242	2,482	2,546	2,807	3,052	3,378	3,716
• Heavy Construction	517	433	494	496	499	556	636	688	711
Transportation, Communication & Storage	**2,355**	**2,112**	**1,942**	**2,103**	**2,170**	**2,120**	**2,178**	**2,415**	**2,328**
• Trucking	1,364	1,255	1,131	1,232	1,355	1,281	1,317	1,415	1,258
Trade	**5,278**	**5,133**	**4,890**	**5,267**	**5,234**	**5,367**	**5,613**	**5,377**	**5,283**
• Supermarket and Department Stores	2,568	2,643	2,534	2,701	2,788	2,928	3,015	2,840	2,827
Service	**6,369**	**6,415**	**6,276**	**6,552**	**7,014**	**6,881**	**7,146**	**7,095**	**7,336**
• Accommodation and Restaurants	1,968	1,863	1,632	1,606	1,645	1,580	1,639	1,528	1,601
• Healthcare	3,795	3,922	4,014	4,244	4,575	4,463	4,616	4,528	4,723
Public Administration	**318**	**292**	**310**	**311**	**295**	**325**	**348**	**364**	**351**
Voluntary	**1,827**	**1,682**	**1,692**	**1,758**	**1,849**	**1,799**	**2,005**	**1,772**	**1,791**
• Agriculture[14]	174	206	207	238	271	213	234	211	214
• Educational Institutions	751	649	708	723	741	764	851	860	853
Self Insurers	**3,890**	**3,731**	**3,422**	**3,656**	**3,828**	**3,869**	**3,785**	**3,820**	**3,715**
Overall[15]	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**	**34,908**

Source: WCB Claim and Employer Databases

[14] The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[15] Totals may not add as a few injuries or illnesses do not have their sector coded.

Figure 20 – Proportions of All Injuries and FTE Workers by Major Industry Sectors, 2008

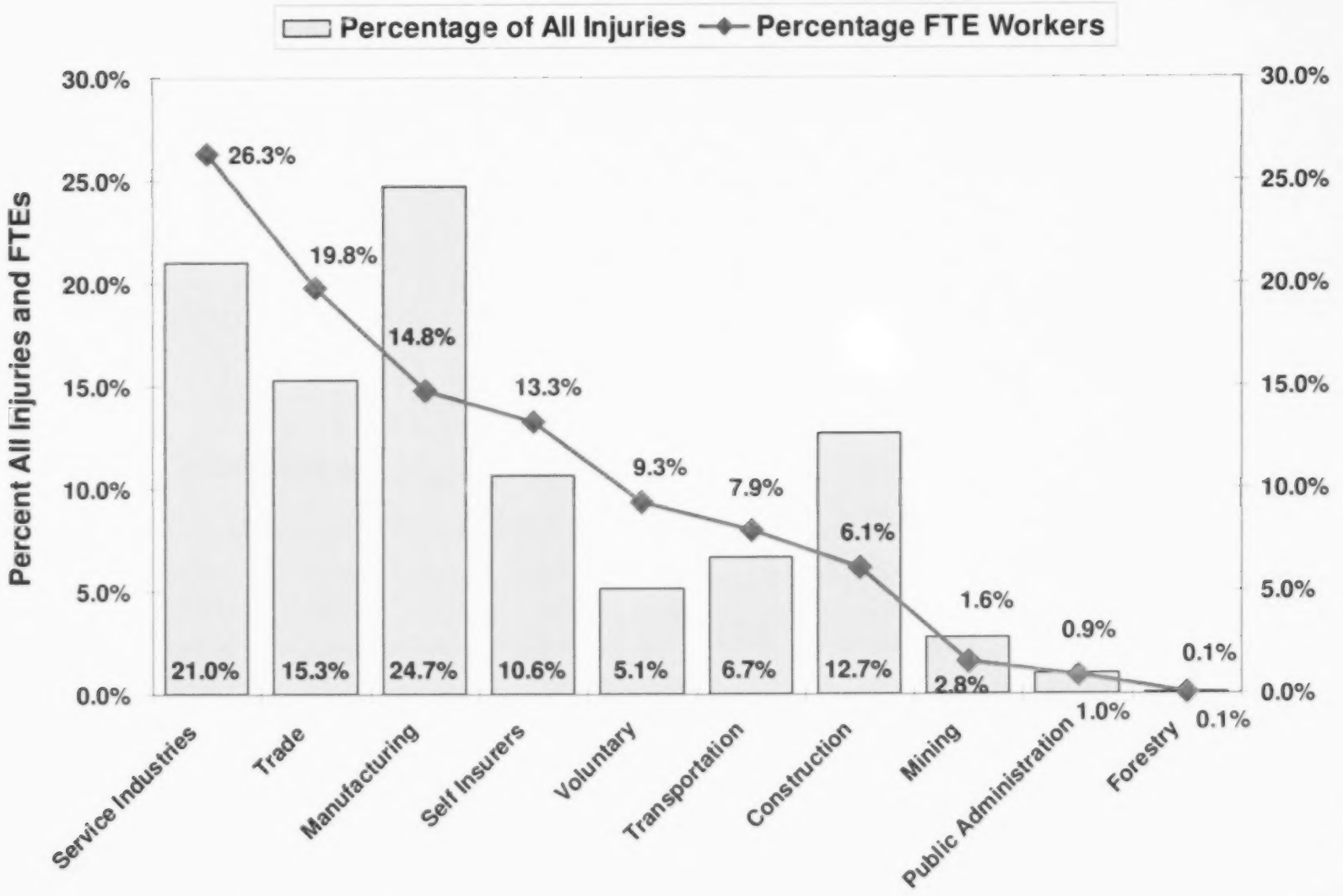
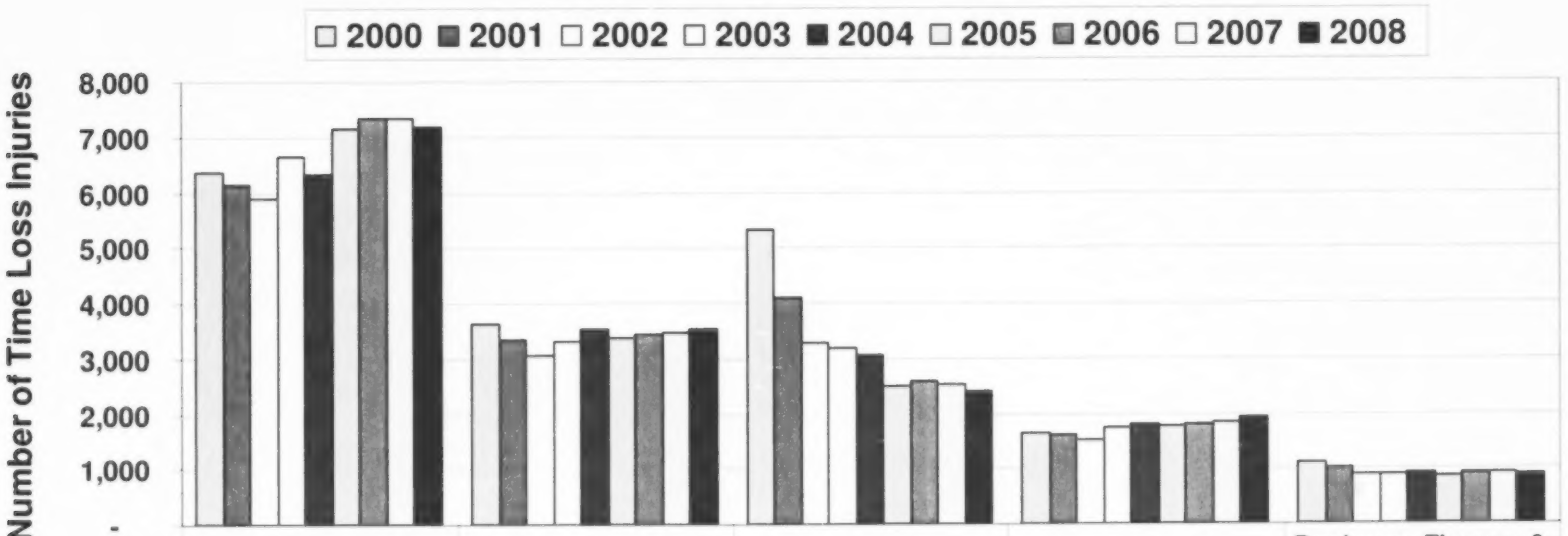
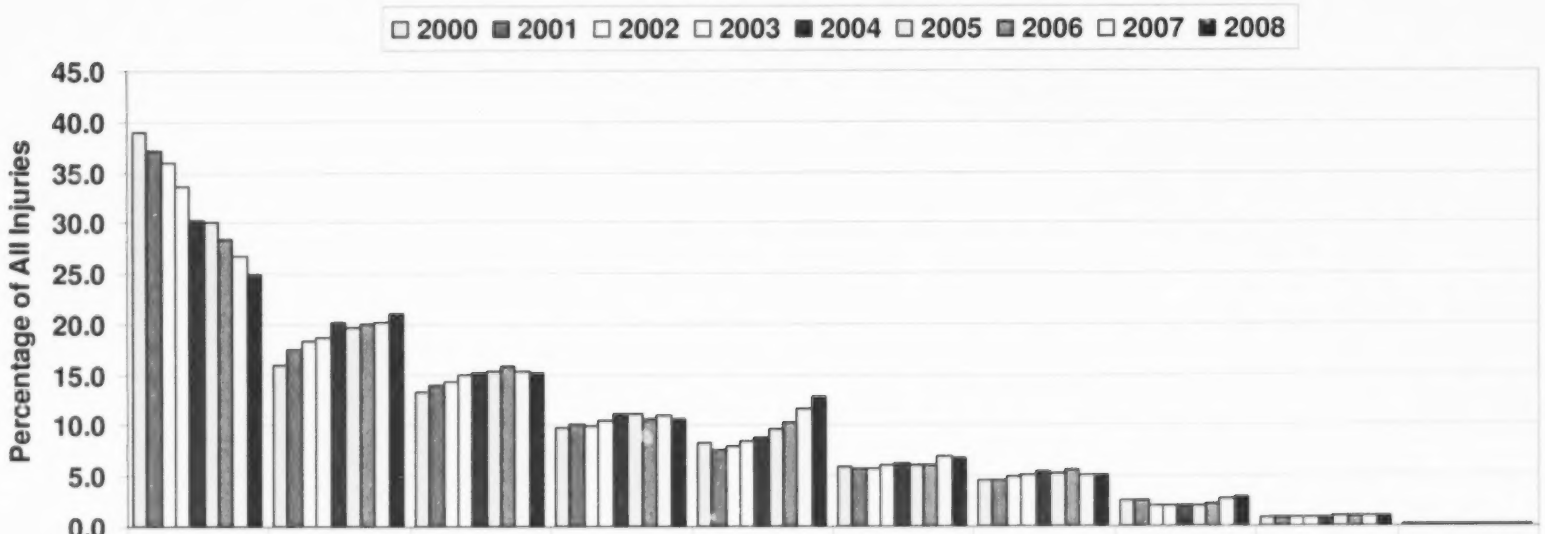


Figure 21 - Time Loss Injury Trends in Major Occupational Groupings, 2000 to 2008



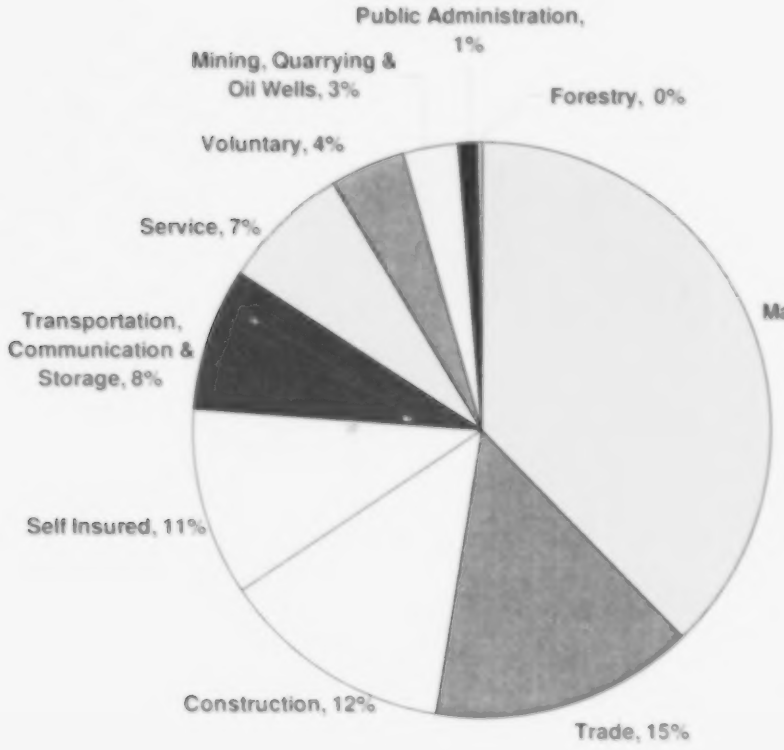
	Trades, Transport & Equipment Operators	Sales and Service	Processing, Manufacturing	Health Occupations	Business, Finance & Administration Occupations
2000	6,373	3,613	5,329	1,626	1,116
2001	6,144	3,352	4,088	1,611	998
2002	5,893	3,065	3,290	1,520	882
2003	6,638	3,312	3,175	1,728	890
2004	6,340	3,516	3,042	1,808	919
2005	7,149	3,378	2,498	1,766	865
2006	7,336	3,437	2,592	1,791	917
2007	7,328	3,468	2,529	1,838	899
2008	7,195	3,541	2,395	1,936	884

Figure 22 - Percent Distribution of All Injuries by Major Industry Sectors, 2000 to 2008



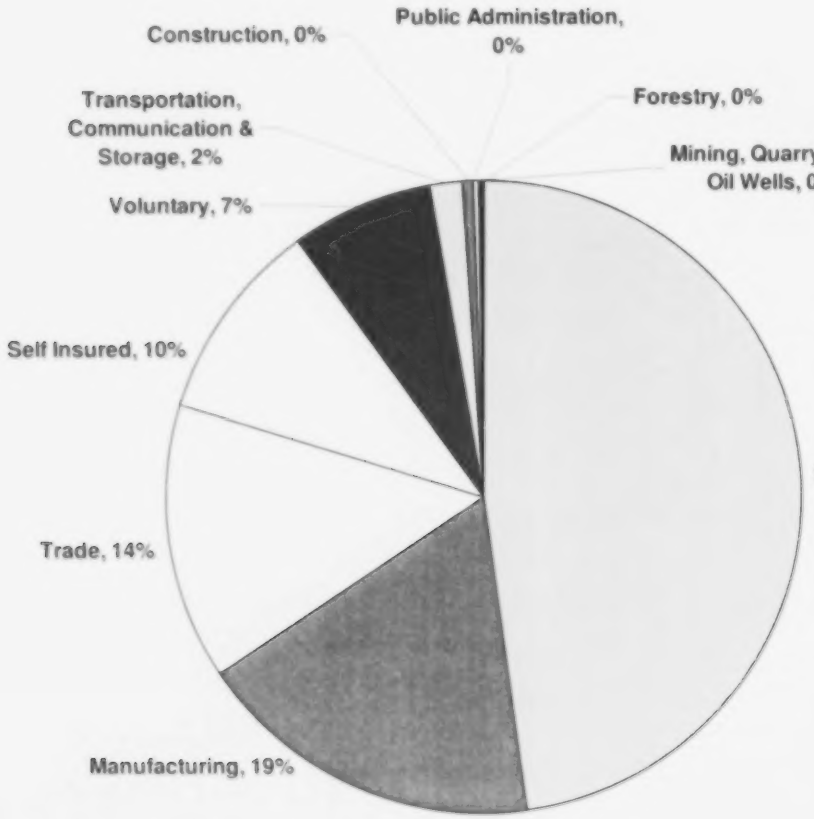
	Manufac-turing	Service	Trade	Self Insured	Construc-tion	Trans., Comm. & Storage	Voluntary	Mining, Quarrying & Oil Wells	Public Admin.	Forestry
2000	38.9	15.9	13.2	9.7	8.3	5.9	4.6	2.5	0.8	0.1
2001	37.2	17.4	14.0	10.1	7.5	5.7	4.6	2.5	0.8	0.2
2002	35.9	18.2	14.2	10.0	8.0	5.6	4.9	2.0	0.9	0.2
2003	33.6	18.6	15.0	10.4	8.5	6.0	5.0	2.0	0.9	0.1
2004	30.3	20.2	15.1	11.0	8.8	6.3	5.3	2.0	0.9	0.1
2005	30.0	19.7	15.3	11.1	9.6	6.1	5.1	2.0	0.9	0.1
2006	28.4	20.0	15.7	10.6	10.3	6.1	5.6	2.2	1.0	0.1
2007	26.6	20.1	15.3	10.8	11.5	6.9	5.0	2.6	1.0	0.1
2008	24.8	21.0	15.1	10.6	12.7	6.7	5.1	2.8	1.0	0.1

Figure 23 - Male Injuries by Major Industry Sectors, 2000 to 2008



Industry Sector	#
Manufacturing	86,000
Trade	34,104
Construction	29,794
Self Insured	24,021
Transportation, Communication & Storage	18,197
Service	16,620
Voluntary	9,455
Mining, Quarrying & Oil Wells	7,138
Public Administration	2,536
Forestry	417
Total	228,282

Figure 24 - Female Injuries by Major Industry Sectors, 2000 to 2008



Industry Sector	#
Service	44,223
Manufacturing	16,355
Trade	13,138
Self Insured	9,540
Voluntary	6,586
Transportation, Communication & Storage	1,474
Construction	443
Public Administration	362
Mining, Quarrying & Oil Wells	245
Forestry	10
Total	92,376

3.5 Occupations of Injured and Ill Workers (Time Loss Injuries Only)

Table 13- Time Loss Injuries by Occupational Groups, 2000 to 2008

	Year of Injury or Illness								
Occupational Groups	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Trades, Transport & Equipment Operators	6,373	6,144	5,893	6,638	6,340	7,149	7,336	7,328	7,195
Processing, Manufacturing	5,329	4,088	3,290	3,175	3,042	2,498	2,592	2,529	2,395
Sales and Service	3,613	3,352	3,065	3,312	3,516	3,378	3,437	3,468	3,541
Health Occupations	1,626	1,611	1,520	1,728	1,808	1,766	1,791	1,838	1,936
Business, Finance & Administration Occupations	1,116	998	882	890	919	865	917	899	884
Primary Industry	270	204	191	182	205	173	219	267	244
Social Science, Education, Government	166	157	206	257	291	364	402	426	373
Management Occupations	151	140	177	181	203	210	173	212	187
Natural & Applied Sciences & Related	149	126	115	171	150	190	174	209	176
Art, Culture, Recreation	48	46	55	64	72	67	80	78	71
Not Coded	799	931	1,181	101	88	37	21	11	107
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**	**17,109**

3.6 Part of Body Injured

Table 14 - Injuries by Part of Body Injured ("Stickman[16] Codes"), 2000 to 2008

Stickman Code Description	Year of Injury or Illness								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Hand / fingers	9,276	8,614	7,966	7,838	7,575	7,519	7,510	7,159	6,991
Multiple	5,929	5,535	5,415	5,277	5,612	5,653	6,037	6,277	6,105
Lower Back	6,024	5,481	5,065	5,352	5,084	5,062	5,207	5,045	4,961
Lower Leg	3,397	3,199	3,092	3,244	3,160	3,385	3,405	3,395	3,540
Lower Arm	3,506	3,176	2,957	3,181	3,148	2,913	2,972	2,774	2,861
Eyes	3,600	2,905	2,770	2,829	2,697	2,679	2,710	2,568	2,396
Shoulder	1,536	1,500	1,367	1,467	1,527	1,614	1533	1,573	1,730
Foot / toes	1,352	1,220	1,103	1,141	1,027	1,019	1117	1,153	1,073
Miscellaneous	1,167	1,188	943	979	1,013	1,077	1,051	1,098	1,047
Ribs / Chest	919	865	796	877	862	866	943	929	874
Head	861	751	760	759	730	711	781	746	713
Abdomen	482	508	442	466	420	465	473	469	446
Hearing	309	322	374	409	496	618	600	742	681
Neck	395	346	327	289	295	304	316	302	325
Upper Back	253	240	249	281	254	284	263	250	293
Upper Leg	245	236	170	213	223	213	245	231	261
Cardio Vascular / Respiratory System	290	273	193	193	159	203	202	178	180
Pelvis	184	188	179	167	168	160	149	157	167
Upper arm	142	155	156	147	135	167	169	144	225
Industrial Disease	76	64	41	76	48	33	51	37	36
Not Coded	26	26	25	35	36	42	16	25	3
Total	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**	**34,908**

[16] WCB Coding system for all injuries where body part injured is related to a stick figure: A=head, B=Eyes, C=neck, D=shoulder etc.

Table 15 - Time Loss Injuries by Part of Body Affected, 2000 to 2008

Part of Body[17]	Year of Notification of Injury or Illness								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Back including spine & spinal cord	5,029	4,610	4,487	4,656	4,760	4,766	4,872	4,905	4,592
Other trunk	2,086	1,780	1,597	1,714	1,902	2,142	1,920	2,151	2,119
Trunk	**7,115**	**6,390**	**6,084**	**6,370**	**6,662**	**6,908**	**6,792**	**7,056**	**6,711**
Fingers	2,212	2,102	1,952	1,743	1,750	1,763	1,732	1,668	1,523
Hands/wrists except fingers	1,775	1,468	1,263	1,358	1,411	1,316	1,386	1,346	1,269
Other upper extremities	1,225	1,034	1,124	1,065	1,067	1,016	1,060	1,078	1,167
Upper Extremities	**5,212**	**4,604**	**4,339**	**4,166**	**4,228**	**4,095**	**4,178**	**4,092**	**3,959**
Legs	1,286	1,243	1,169	1,202	1,237	1,315	1,342	1,367	1,449
Ankles / feet (not toes)	1,274	1,232	1,151	1,181	1,116	1,141	1,210	1,174	1,161
Other lower extremities	312	212	268	267	272	255	271	523	339
Lower Extremities	**2,872**	**2,687**	**2,588**	**2,650**	**2,625**	**2,711**	**2,823**	**3,064**	**2,949**
Eyes	915	746	655	659	632	636	646	647	572
Other head	420	362	323	360	380	449	376	427	342
Neck	252	211	207	184	229	250	245	279	243
Head and Neck	**1,587**	**1,319**	**1,185**	**1,203**	**1,241**	**1,335**	**1,267**	**1,353**	**1,157**
Multiple body parts	**2,322**	**2,391**	**2,211**	**2,062**	**1,645**	**1,580**	**1,865**	**1,679**	**2,059**
Body Systems	**241**	**192**	**131**	**150**	**147**	**155**	**211**	**200**	**163**
Missing / Not Coded / Part of body - unknown/other	**291**	**214**	**37**	**98**	**86**	**13**	**7**	**19**	**111**
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**	**17,109**

[17] This table is based on the CSA Z795 coding standard.

3.7 Time Loss Injuries by Nature of Injury or Illness

Table 16 - Time Loss Injuries by Nature of Injury or Illness, 2000 to 2008

Nature of Injury or Illness[18]	Year of Injury or Illness								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Sprains, strains and tears	8,582	8,591	8,600	8,846	9,133	9,438	9,747	9,747	9,776
Surface wounds, bruises	2,623	2,212	1,986	2,029	1,998	2,046	1,897	1,866	1,693
Open wounds	2,211	2,085	1,894	1,716	1,675	1,637	1,584	1,609	1,556
Other traumatic injuries & disorders	2,593	2,292	1,683	1,249	991	966	983	1,156	1,588
Fractures, dislocations	941	753	799	882	1,064	990	1,018	983	904
Burns	441	403	342	301	332	309	309	340	298
Traumatic Injuries and Disorders	**17,391**	**16,336**	**15,304**	**15,023**	**15,193**	**15,386**	**15,538**	**15,701**	**15,815**
Systemic diseases & disorders	1,634	1,030	972	1,191	1,123	1,127	1,181	1,181	1,027
Other diseases, conditions & disorders	74	55	40	53	45	41	55	70	57
Symptoms, signs, ill defined conditions	164	74	46	97	42	52	56	52	33
Infectious, parasitic diseases	33	28	20	25	17	17	41	19	20
Multiple diseases, conditions & disorders	14	5	29	158	71	43	1	-	-
Neoplasms, tumors & cancer	8	10	10	17	8	10	11	7	8
Occupational Illnesses	**1,927**	**1,202**	**1,117**	**1,541**	**1,306**	**1,290**	**1,345**	**1,329**	**1,145**
Nature of Disease Unknown or Not Coded	322	259	154	135	135	21	259	235	149
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**	**17,109**

[18] This table is based on the CSA Z795 coding standard.

3.8 Time Loss Injuries by Source of Injury or Illness

Table 17 - Time Loss Injuries by Source of Injury or Illness, 2000 to 2008

Primary Source of Injury or Illness[19]	Year of Injury								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Persons - bodily position or repetitive motion of injured or ill worker	4,794	5,576	5,577	5,143	3,878	3,819	4,329	4,230	3,964
Persons - other than injured worker (e.g. patients or co - workers)	1,196	1,125	879	1,023	1,168	1,050	1,052	1,073	1,148
Other persons, plants, animals, minerals	345	285	262	280	309	250	284	261	279
Persons, Plants, Animals and Minerals[20]	**6,335**	**6,986**	**6,718**	**6,446**	**5,355**	**5,119**	**5,665**	**5,564**	**5,391**
Structures and Surfaces	2,516	2,405	2,356	2,451	2,677	3,078	3,016	3,026	3,278
Parts and Materials	2,713	2,013	1,735	1,774	2,061	2,329	2,359	2,399	2,371
Containers	2,258	1,562	1,510	1,563	1,759	1,763	1,660	1,763	1,704
Vehicles	846	715	659	686	813	827	873	854	844
Hand tools - non-powered	770	717	605	612	616	657	631	641	634
Hand tools - powered	379	288	266	251	248	253	223	199	219
Other-tools and equipment	177	115	167	213	276	268	312	373	291
Tools, Instruments and Equipment	**1,326**	**1,120**	**1,038**	**1,076**	**1,140**	**1,178**	**1,166**	**1,213**	**1,144**
Machinery	1,244	901	880	1,019	1,090	839	789	843	765
Other Sources	894	849	759	774	894	750	754	763	647
Furniture and Fixtures	652	535	484	542	538	544	517	516	536
Chemicals and Chemical Products	312	228	166	207	182	170	179	206	193
Source Unknown or Not Coded	**544**	**483**	**270**	**161**	**125**	**100**	**164**	**118**	**236**
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**	**17,109**

[19] This table is based on the CSA Z795 coding standard.

[20] This category includes injuries sustained due to the bodily motion of the injured worker, repetitive motions and injuries caused by co-workers, customers or others such as healthcare patients

3.9 Time Loss Injuries by Event or Exposure of Injury or Illness

Table 18 - Time Loss Injuries by Type of Event or Exposure of Injury or Illness, 2000 to 2008

Type of Event or Exposure[21]	Year of Injury or Illness								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Overexertion	4,955	3,325	2,883	3,403	3,860	3,813	3,722	3,803	4,229
Bodily reaction	3,863	4,867	4,858	4,157	3,369	3,120	3,024	3,088	2,580
Repetitive motions	875	651	693	952	814	1,114	1,513	1,449	1,459
Bodily Reaction and Exertion	**9,693**	**8,843**	**8,434**	**8,512**	**8,043**	**8,047**	**8,259**	**8,340**	**8,268**
Struck by objects	2,824	2,523	2,385	2,242	2,135	2,152	2,323	2,371	2,156
Struck against objects	1,576	1,319	1,130	1,186	1,349	1,104	984	1,064	1,081
Caught in objects	897	881	823	818	851	880	954	849	847
Rubbed or abraded	659	539	408	491	352	503	469	460	379
Contact with Objects, Equipment	**5,956**	**5,262**	**4,746**	**4,737**	**4,687**	**4,639**	**4,730**	**4,744**	**4,463**
Fall on same level	1,346	1,413	1,458	1,531	1,871	1,906	1,908	1,929	2,098
Fall from height	853	794	756	706	770	897	876	865	859
Falls	**2,199**	**2,207**	**2,214**	**2,237**	**2,641**	**2,803**	**2,784**	**2,794**	**2,957**
Exposure to Harmful Substances	914	778	624	646	596	599	703	694	618
Transportation Incidents	285	234	247	223	311	379	397	403	370
Assaults and Violent Acts	249	211	190	224	243	199	214	238	290
Fires and Explosions	19	10	18	8	15	7	21	25	16
Event Unknown / Missing / Not Coded	**325**	**252**	**102**	**112**	**98**	**24**	**34**	**27**	**127**
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**	**17,109**

[21] This table is based on the CSA Z795 coding standard.

3.10 Musculoskeletal Injuries

Table 19 - Musculoskeletal Time Loss Injuries (MSI), 2000 to 2008

	Year of Injury								
Type of Injury	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Musculoskeletal Injuries	10,459	9,458	9,513	9,872	10,115	10,353	10,667	10,739	10,675
Non-Musculoskeletal[22]	9,181	8,339	7,062	6,827	6,519	6,344	6,475	6,526	6,434
Total	19,640	17,797	16,575	16,699	16,634	16,697	17,142	17,265	17,109
Musculoskeletal (% of Total)	53.3%	53.1%	57.4%	59.1%	60.8%	62.0%	62.2%	62.2%	62.4%

[22] Examples include fractures, open wounds, burns, occupational diseases, hearing loss

Figure 25 – The Number and Proportion of Musculoskeletal Injuries to Time Loss Injuries, 2000 to 2008